COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY
TIDEWATER REGIONAL OFFICE
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L. Preston Bryant, Jr.
Secretary of Natural Resources

David K. Paylor
Director

Francis L. Daniel
Regional Director

Federal Operating Permit
Article 1

This permit is based upon the requirements of Title V of the Federal Clean Air Act and Chapter 80, Article 1, of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution. Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9 VAC 5-80-50 through 9 VAC 5-80-300 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	U.S. Naval Base, Norfolk
Facility Name:	Naval Station Norfolk
Facility Location:	Sewell's Point Norfolk, Virginia
Registration Number:	60941
Permit Number:	**TRO60941**

This permit includes the following programs:
Federally Enforceable Requirements - Clean Air Act (Sections I through IX)
State Only Enforceable Requirements (Section XI) (Optional)

March 24, 2009
Effective Date

March 23, 2014
Expiration Date

Francis L. Daniel

March 24, 2009
Signature Date

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I. Facility Information

Permittee
U.S. Department of the Navy

Responsible Official
Sean S. Heaney
Director, Technical Support Department
Commander Navy Region Mid-Atlantic

Facility
Naval Station Norfolk
Sewell's Point
Norfolk, Virginia

Contact Person
Leal Boyd
Air Program Manager
(757) 445-6636

County-Plant Identification Number: 51-710-00194

Facility Description: NAICS 928110 - National Security
The facility is the public works/operations, supply and maintenance department at the home port of the Navy's Atlantic Fleet. No products are manufactured at the facility. There is not one distinct, overriding "process" conducted at this facility. Instead, various activities and operations are conducted primarily to support the ships and aircraft of the Navy Atlantic Fleet. Processes include, but are not limited to: external combustion units (boilers for steam heat and industrial use); internal combustion engines (diesel emergency generators); surface coating operations for maintenance of marine vessels, aircraft, and facilities; abrasive blasting related to marine vessels and aircraft maintenance; and woodworking shops for facility maintenance, packing, and shipping.

II. Emission Units

Equipment to be operated consists of:

Boilers

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutants Controlled	Applicable Permit Date
BOIL-NH202		Nebraska N2S-4A-72 (inst 9/85)	95 mmBtu/hr				June 25, 2007
BOIL-P1-55		Riley P8195 (installed 1939)	82 mmBtu/hr	Multicyclone	CDBOIL-P1-55	PM, PM10	June 25, 2007
BOIL-P1-56		Riley P819W (installed 1941)	82 mmBtu/hr	Multicyclone	CDBOIL-P1-56	PM, PM10	June 25, 2007
BOIL-P1-57		Riley P819W (installed 1941)	82 mmBtu/hr	Multicyclone	CDBOIL-P1-57	PM, PM10	June 25, 2007
BOIL-P1-58		Riley NB 2642 (installed 1975)	235 mmBtu/hr				June 25, 2007
BOIL-P1-59		Combustion Engineering CE3731 (installed 1941)	125 mmBtu/hr	Multicyclone	CDBOIL-P1-59	PM, PM10	June 25, 2007
BOIL-P1-60		Combustion Engineering CE6733 (installed 1941)	125 mmBtu/hr	Multicyclone	CDBOIL-P1-60	PM, PM10	June 25, 2007
BOIL-P1-61		Combustion Engineering CE3736 (installed 1941)	125 mmBtu/hr	Multicyclone	CDBOIL-P1-61	PM, PM10	June 25, 2007
BOIL-P1-62		Combustion Engineering CE2848 (installed 1944)	125 mmBtu/hr	Multicyclone	CDBOIL-P1-62	PM, PM10	June 25, 2007
BOIL-SP85-1		Riley-Stoker 9352038 (installed 1942)	95 mmBtu/hr	Multicyclone	CDBOIL-SP85-1	PM, PM10	June 25, 2007
BOIL-SP85-2		Riley, Model Number Unknown (installed 1942)	95 mmBtu/hr	Multicyclone	CDBOIL-SP85-2	PM, PM10	June 25, 2007
BOIL-Z312-25		Mitsui MB200 type D (installed 7/1995)	205.8 mmBtu/hr (natural gas) 196.5 mmBtu/hr (No. 2 fuel)	Multicyclone	CDBOIL-Z312-25	PM, PM10	June 25, 2007
BOIL-Z312-26		Mitsui MB200 type D (installed 7/1995)	205.8 mmBtu/hr (natural gas) 196.5 mmBtu/hr (No. 2 fuel)	Multicyclone	CDBOIL-Z312-26	PM, PM10	June 25, 2007
BOIL-Z312-27		Mitsui, MB200 type D (installed 7/1995)	205.8 mmBtu/hr (natural gas) 196.5 mmBtu/hr (No. 2 fuel)	Multicyclone	CDBOIL-Z312-27	PM, PM10	June 25, 2007

Generators

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutants Controlled	Applicable Permit Date
ICGF-CEP151		Perkins 5PKXL04.4RE1; No. 2 fuel (NSPS IIII and/or MACT ZZZZ)	0.6 mmBtu/hr 54 kW				
ICGF-CEP156		Caterpillar 3512; No. 2 fuel	10.5 mmBtu/hr; 1,000 kW				
ICGF-CEP209		Caterpillar CD125; No. 2 fuel	1.3 mmBtu/hr; 125 kW				December 8, 1999
ICGF-M51-1		Caterpillar 3508; No. 2 fuel	8.4 mmBtu/hr; 800 kW				
ICGF-M51-2		Caterpillar 3508; No. 2 fuel	8.4 mmBtu/hr; 800 kW				
ICGF-M51-3		Caterpillar 3512; No. 2 fuel	8.4 mmBtu/hr; 800 kW				
ICGF-M51-GBS		Cummins NTA-855-G5; No. 2 fuel (NSPS IIII and/or MACT ZZZZ)	4.7 mmBtu/hr; 451 kW				
ICGF-M113		Caterpillar 3508; No. 2 fuel	8.4 mmBtu/hr; 800 kW				
ICFG-NH139		Caterpillar 3412; No. 2 fuel	7 mmBtu/hr; 664 kW				
ICGF-NH94-1		EMD 20-645-E4B; No 2 fuel	21.1 mmBtu/hr; 2,000 kW				June 13, 2003
ICGF-NH94-2		EMD 12-645-E1; No. 2 fuel	10.5 mmBtu/hr; 1,000 kW				June 13, 2003
ICGF-NH94-3		Alco/Kato 251E1608; No. 2 fuel	21.1 mmBtu/hr; 2,000 kW				June 13, 2003
ICGF-NH94-4		Caterpillar 3608; No. 2 fuel	21.1 mmBtu/hr; 2,000 kW				June 13, 2003
ICGF-P1-1		Caterpillar 3516TA; No. 2 fuel (installed 1993)	16.1 mmBtu/hr; 1,600 kW				June 25, 2007
ICGF-P1-3		Caterpillar 3516TA; No. 2 fuel (installed 1993)	16.1 mmBtu/hr; 1,600 kW				June 25, 2007
ICGF-V53		Unknown; No. 2 fuel	6.8 mmBtu/hr; 650 kW				
ICGF-V117		Perkins 3054; No. 2 fuel (NSPS IIII and/or MACT ZZZZ)	0.6 mmBtu/hr 54 kW				
ICGF-W6A		Unknown; No. 2 fuel	8.1 mmBtu/hr; 775 kW				
ICGF-W143-1		Caterpillar 3512; No. 2 fuel	8.4 mmBtu/hr; 795 kW				
ICGF-W143-2		Caterpillar 3512; No. 2 fuel	8.4 mmBtu/hr; 795 kW				
ICGF-W143-R1		Caterpillar 3512; No. 2 fuel (installed 5/2002)	13.1 mmBtu/hr; 1,250 kW				October 10, 2002

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutants Controlled	Applicable Permit Date
ICGF-W143-R2		Caterpillar 3512; No. 2 fuel (installed 5/2002)	13.1 mmBtu/hr; 1,250 kW				October 10, 2002
ICGF-W143-R3		Caterpillar 3512; No. 2 fuel (installed 5/2002)	13.1 mmBtu/hr; 1,250 kW				October 10, 2002
ICGF-W143-R4		Caterpillar 3512; No. 2 fuel (installed 5/2002)	13.1 mmBtu/hr; 1,250 kW				October 10, 2002
ICGF-W150A		Perkins 5PKXL04.4RE1; No. 2 fuel (NSPS IIII and/or MACT ZZZZ)	0.6 mmBtu/hr 54 kW				
ICGF-Z312-D		Caterpillar 3516TA; No. 2 fuel (installed 7/1995)	15.8 mmBtu/hr; 1,500 kW				June 25, 2007
ICGF-Z312-NG		NG fired (NSPS IIII and/or MACT ZZZZ)	0.16 mmBtu/hr 15 kW				

Coating Operations

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutants Controlled	Applicable Permit Date
PNTO-A81		Sign shop – silk screen, hand and spray application					
PNTO-PIERS-DIVE		Pierside small boat touchup painting – hand application (Dive Shop)					
PNTO-CEP165A		Pierside small boat touchup painting – hand application (Port Ops)					
PNTS-CEP209		Paint booth, boat parts – HVLP spray gun, aerosol, hand application	1,645 gal/year coating	Dry filter		PM, PM10	December 8, 1999
PNTO-HM14-AERO		Open hanger aircraft touchup – HVLP, aerosol, hand application					
PNTO-HM14-SHIP		Outdoor small boat touchup painting – hand application					
PNTO-HSC2		Open hanger aircraft touchup– HVLP, aerosol, hand application					
PNTO-HSC22		Open hanger aircraft touchup– HVLP, aerosol, hand application					
PNTO-HSC26		Open hanger aircraft touchup– HVLP, aerosol, hand application					
PNTO-HSC28		Open hanger aircraft touchup– HVLP, aerosol, hand application					
PNTO-HSC84		Open hanger aircraft touchup– HVLP, aerosol, hand application					
PNTS-LP167		Paint booth, aircraft parts – HVLP spray gun, aerosol, hand application		Fabric filter		PM, PM10	
PNTO-LP167		Open hanger aircraft touchup– HVLP, aerosol, hand application					

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutants Controlled	Applicable Permit Date
PNTO-MAG42		Open hanger aircraft touchup– HVLP, aerosol, hand application					
PNTS-NM110		Paint booth, mobile facilities – Spray gun, aerosol, hand application					
PNTO-NM110		Outdoor mobile facilities undercoat-aerosol, hand application					
PNTO-PIER-NVY		Pierside ship painting, ships forces – hand application					
PNTO-PIER-KTR		Pierside ship painting, contractor – spray gun and hand application					
PNTO-PIER- TUG		Pierside tugboat touchup painting, Moran tugs – hand application					
PNTO-Q50		Pierside small boat touchup, oil recovery ops – hand application					
PNTO-Q72		Outdoor vessel painting, barge repair – spray gun, hand application					
PNTS-SP300-400		Paint booth, aircraft propellers – hand application (installed 1/2005)	8 gal/year coating	Fabric filter		PM, PM10	February 5, 2003
PNTS-SP300-500		Paint booth, aircraft parts – HVLP spray gun, aerosol, hand application	100 gal/year coating	Fabric filter		PM, PM10	February 5, 2003
PNTS-SP300-600		Paint hood, aircraft electronic assemblies – aerosol and hand application		Fabric filter		PM, PM10	
PNTS-SP356		Paint booth, ground support equipment – HVLP spray gun, aerosol, and hand application		Fabric filter		PM, PM10	
PNTS-SP383-1 and 2		Paint hoods (installed 1997), aircraft panels/corrosion school- HVLP spray, aerosol, and hand application		Fabric filter		PM, PM10	
PNTO-SPRUCE		Pierside submarine touchup painting – hand application					
PNTS-V146		Paint booth, helicopter – HVLP spray application (installed 12/2006)	972 gal/year coating	HEPA filter		PM, PM10	January 5, 2009
PNTO-V147		Open hanger aircraft touchup– HVLP, aerosol, hand application					
PNTO-V88		Open hanger small boat touchup – aerosol and hand application					
PNTO-VAW120		Open hanger aircraft touchup – HVLP, aerosol, hand application					
PNTO-VAW121		Open hanger aircraft touchup – HVLP, aerosol, hand application					
PNTO-VAW123		Open hanger aircraft touchup – HVLP, aerosol, hand application					

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutants Controlled	Applicable Permit Date
PNTO-VAW124		Open hanger aircraft touchup – HVLP, aerosol, hand application					
PNTO-VAW125		Open hanger aircraft touchup – HVLP, aerosol, hand application					
PNTO-VAW126		Open hanger aircraft touchup – HVLP, aerosol, hand application					
PNTO-VRC40		Open hanger aircraft touchup – HVLP, aerosol, hand application					
PNTS-X137		Paint booth, currently inactive					

Miscellaneous Operations

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutants Controlled	Applicable Permit Date
MISC-CEP209-1 & MISC-CEP209-2		Fiberglass sanding & sawing (installed 5/2000)	2,105 pound materials/year (fiberglass resin, hardener, and mesh	Fabric filters	CDMISC-CEP209-100 and CDMISC-CEP209-101	PM, PM10	December 8, 1999
ENGT-SP313		Aircraft engine test cells					
ABRA-V146		Helicopter blast booth	500 lbs/hr			PM, PM10	January 5, 2009
ABRA-SP356		Drive-in blast booth (installed 1/1987)	312 tons/year blast media	Cyclone and Baghouse	CDABRA-SP356A and CDABRA-SP356B	PM, PM10	August 2, 1985
DEGS-GRP1		Degreasing and parts cleaning					
GSTA-GRP1		Commercial gasoline service stations		Stage 1 Vapor Recovery		VOC, HAPS	
WOOD-GRP1		Woodshops with outside vent		Cyclones and/or Baghouses		PM, PM10	
WOOD-PNT1		Wood NESHAP sources – hand application	<=1,200 gal/year				

*The Size/Rated capacity and PCD efficiency is provided for informational purposes only, and is not an applicable requirement.

III. Fuel Burning Equipment Requirements

The fuel burning equipment associated with this section of the permit consists of the following emission units: BOIL-NH202, BOIL-P1-55, BOIL-P1-56, BOIL-P1-57, BOIL-P1-58, BOIL-P1-59, BOIL-P1-60, BOIL-P1-61, BOIL-P1-62, BOIL-SP85-1, BOIL-SP85-2, BOIL-Z312-25, BOIL-Z312-26, BOIL-Z312-27 ICGF-P1-1, ICGF-P1-3, and ICGF-Z312-D.

A. Limitations

1. **Emission Controls** – Particulate Matter emissions from each boiler (Ref. Nos. BOIL-Z312-25, BOIL-Z312-26, and BOIL-Z312-27) shall be controlled by multicyclones. The multicyclones shall be provided with adequate access for inspection and shall be in operation when the boilers are operating. An annual inspection shall be conducted by the permittee on each multicyclone to ensure structural integrity.
   (9 VAC 5-80-110 and Condition 3 of the NSR/NSPS permit issued June 25, 2007)

2. **Emission Controls** – Nitrogen Oxide emissions from each natural gas/distillate oil-fired boiler (Ref. Nos. BOIL-NH202, BOIL-Z312-25, BOIL-Z312-26, and BOIL-Z312-27) shall be controlled by low-NO_x burners with internal or external flue gas recirculation. The low-NO_x burners shall be provided with adequate access for inspection and shall be in operation when the boilers are operating.
   (9 VAC 5-80-110 and Condition 4 of the NSR/NSPS permit issued June 25, 2007)

3. **Emission Controls** – Carbon Monoxide emissions from each natural gas/distillate oil-fired boiler (Ref. Nos. BOIL-Z312-25, BOIL-Z312-26, and BOIL-Z312-27) shall be controlled by good combustion practices.
   (9 VAC 5-80-110 and Condition 5 of the NSR/NSPS permit issued June 25, 2007)

4. **Emergency Generator Use** - The emergency generators (Ref. Nos. ICGF-P1-1, ICGF-P1-3, and ICGF-Z312-D) shall be used **ONLY** for providing power at the location during interruption of service from the normal power supplier and for periodic testing.
   (9 VAC 5-80-110 and Condition 8 of the NSR/NSPS permit issued June 25, 2007)

5. **Emergency Generator Use** - Each emergency generator (Ref. Nos. ICGF-P1-1, ICGF-P1-3, and ICGF-Z312-D) shall not operate more than 500 hours per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
   (9 VAC 5-80-110 and Condition 9 of the NSR/NSPS permit issued June 25, 2007)

6. **Fuel** - The approved fuel for the emergency generators (Ref. Nos. ICGF-P1-1, ICGF-P1-3, and ICGF-Z312-D) is distillate oil. A change in the fuel may require a permit to modify and operate.
   (9 VAC 5-80-110 and Condition 10 of the NSR/NSPS permit issued June 25, 2007)

7. **Fuel** - The approved fuels for the boilers (Ref. Nos. BOIL-Z312-25, BOIL-Z312-26, and BOIL-Z312-27) are distillate oil and natural gas. A change in the fuels may require a permit to modify and operate.
   (9 VAC 5-80-110 and Condition 11 of the NSR/NSPS permit issued June 25, 2007)

8. **Fuel** - The approved fuel for the boiler (Ref. No. BOIL-NH202) is natural gas. A change in the fuel may require a permit to modify and operate.
   (9 VAC 5-80-110 and Condition 12 of the NSR/NSPS permit issued June 25, 2007)

9. **Fuel** - The approved fuels for the boilers (Ref. Nos. BOIL-P1-59, BOIL-P1-60, BOIL-P1-61, and BOIL-P1-62) are natural gas, distillate oil, residual oil, Fuel Oil Reclaimed (FOR), Navy Special Fuel Oil (NSFO), Diesel Fuel Marine (DFM), and JP-5. A change in the fuels may require a permit to modify and operate.
(9 VAC 5-80-110 and Condition 13 of the NSR/NSPS permit issued June 25, 2007)

10. **Fuel** - The approved fuels for the boilers (Ref. Nos. BOIL-P1-55, BOIL-P1-56, BOIL-P1-57, and BOIL-P1-58) are distillate oil, residual oil, Fuel Oil Reclaimed (FOR), Navy Special Fuel Oil (NSFO), Diesel Fuel Marine (DFM), and JP-5. A change in the fuels may require a permit to modify and operate.
(9 VAC 5-80-110 and Condition 14 of the NSR/NSPS permit issued June 25, 2007)

11. **Fuel** - The approved fuels for the boilers (Ref. Nos. BOIL-SP85-1 and BOIL-SP85-2) are distillate oil, residual oil (No. 4 only), Fuel Oil Reclaimed (FOR), Navy Special Fuel Oil (NSFO), Diesel Fuel Marine (DFM), and JP-5. A change in the fuels may require a permit to modify and operate.
(9 VAC 5-80-110 and Condition 15 of the NSR/NSPS permit issued June 25, 2007)

12. **Fuel Throughput** - The boilers (Ref. Nos. BOIL-Z312-25, BOIL-Z312-26, and BOIL-Z312-27) shall consume no more than 10,734,000 gallons of distillate oil per year, or $1,435.0 \times 10^6$ cubic feet of natural gas per year, each calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months. When both distillate oil and natural gas are consumed in the same year, consumption shall be limited by the following:

    $X = (10{,}734{,}000 \text{ gal/yr}) - ((0.00748) \times (\text{ft}^3 \text{ natural gas}))$
    $Y = (1{,}435.0 \times 10^6 \text{ ft}^3\text{/yr}) - ((133.65) \times (\text{gallons distillate oil}))$
    where
    X = gallons per year of distillate oil consumed
    Y = cubic feet per year of natural gas consumed
(9 VAC 5-80-110 and Condition 16 of the NSR/NSPS permit issued June 25, 2007)

13. **Fuel** - The distillate oil to be burned in the generators (Ref. Nos. ICGF-P1-1, ICGF-P1-3, and ICGF-Z312-D) and boilers (Ref. Nos. BOIL-Z312-25, BOIL-Z312-26, and BOIL-Z312-27) shall meet the specification below:
    DISTILLATE OIL which meets the ASTM D396 specification for numbers 1 or 2 fuel oil
    Maximum sulfur content per shipment: 0.20%
(9 VAC 5-80-110 and Condition 17 of the NSR/NSPS permit issued June 25, 2007)

14. **Fuel Certification** - The permittee shall obtain a certification from the fuel supplier with each shipment of distillate oil. Each fuel supplier certification shall include the following:

    a. The name of the fuel supplier;

    b. The date on which the distillate oil was received;

    c. The quantity of distillate oil delivered in the shipment;

    d. A statement that the distillate oil complies with the American Society for Testing and Materials specifications (ASTM D396) for number 2 fuel oil; and,

    e. The maximum sulfur content of the distillate oil.

Fuel sampling and analysis, independent of that used for certification, as may be periodically required or conducted by DEQ may be used to determine compliance with the fuel specifications stipulated in Condition number III.A.13. Exceedance of these specifications may be considered credible evidence of the exceedance of emission limits.

(9 VAC 5-80-110 and Condition 18 of the NSR/NSPS permit issued June 25, 2007)

15. **Fuel Certification** - The permittee shall obtain a certification from the fuel supplier with each shipment of fuel used in the calculations in Conditions III.A.20 and III.A.22. Each fuel supplier certification shall include the name of the fuel supplier, ASTM method(s) used for fuel sampling, and a statement certifying the sulfur content of the fuel.
(9 VAC 5-80-110 and Condition 20 of the NSR/NSPS permit issued June 25, 2007)

16. **Emission Limits** - Emissions from the operation of the boilers (Ref. Nos. BOIL-Z312-25, BOIL-Z312-26, and BOIL-Z312-27) shall not exceed the limits specified below:

	lbs/hr, each boiler	tons/yr, combined
Particulate Matter	1.3 lbs/hr	4.8 tons/yr
PM-10	1.3 lbs/hr	4.8 tons/yr
Sulfur Dioxide	40.1 lbs/hr	152.4 tons/yr
Nitrogen Oxides (as NO_2)	0.1 lb/million Btu	74.6 tons/yr
Carbon Monoxide	20.6 lbs/hr	74.6 tons/yr
Volatile Organic Compounds	1.0 lbs/hr	3.7 tons/yr
Beryllium	0.00015 lb/hr	0.00060 ton/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers III.A.1, 2, 3, 7, 12, 13 and 25; III.B.2 and 3; and III.C.1.
(9 VAC 5-80-110 and Condition 21 of the NSR/NSPS permit issued June 25, 2007)

17. **Emission Limits** - Emissions from the operation of the emergency generators (Ref. Nos. ICGF-P1-1, ICGF-P1-3, and ICGF-Z312-D) shall not exceed the limits specified below:

	lbs/hr, each generator	tons/yr, combined
Particulate Matter	0.8 lbs/hr	0.6 tons/yr
PM-10	0.8 lbs/hr	0.6 tons/yr
Sulfur Dioxide	3.2 lbs/hr	2.4 tons/yr
Nitrogen Oxides (as NO_2)	51.4 lbs/hr	38.6 tons/yr
Carbon Monoxide	9.3 lbs/hr	7.0 tons/yr
Volatile Organic Compounds	1.6 lbs/hr	1.2 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers III.A.5, 6, 13, 26, and 27; and III.C.1.
(9 VAC 5-80-110 and Condition 22 of the NSR/NSPS permit issued June 25, 2007)

18. **Emission Limits** - Emissions from the operation of each boiler (Ref. Nos. BOIL-NH202, BOIL-P1-55 through BOIL-P1-62, BOIL-SP85-1, and BOIL-SP85-2) shall not exceed the limits specified below:

Sulfur Dioxide	2.64 lbs/mmBtu

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers III.A.1, 2, 8, 9, 10, 11; and III.C.1.
(9 VAC 5-80-110 and Condition 23 of the NSR/NSPS permit issued June 25, 2007)

19. **Emission Limits** – Combined emissions from the operation of the boilers (Ref. Nos. BOIL-Z312-25, BOIL-Z312-26, and BOIL-Z312-27), the emergency generators (Ref. Nos. ICGF-P1-1, ICGF-P1-3, and ICGF-Z312-D), and the boilers (Ref. Nos. BOIL-NH202, BOIL-P1-55 through BOIL-P1-62, BOIL-SP85-1, and BOIL-SP85-2) shall not exceed the limits specified below:

Sulfur Dioxide (E_{SO_2})	3,104.8 tons/yr
Nitrogen Oxides (as NO_2) (E_{NO_X})	650.1 tons/yr
Carbon Monoxide (E_{CO})	154.7 tons/yr
Beryllium (E_{Be})	0.0075 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers III.A.21, 22, 23, and 24; and III.C.3.
(9 VAC 5-80-110 and Condition 24 of the NSR/NSPS permit issued June 25, 2007)

20. **Emission Limits** – The following symbols as used in Conditions 21, 22, 23, and 24 shall have the meanings given to them below:

Symbol	Meaning
R1	Gallons of NSFO, No. 4 fuel oil, and No. 6 fuel oil consumed in BOIL-P1-55, BOIL-P1-56, BOIL-P1-57, BOIL-SP85-1, and BOIL-SP85-2
R2	Gallons of NSFO, No. 4 fuel oil, and No. 6 fuel oil consumed in BOIL-P1-58 and BOIL-P1-62
R3	Gallons of NSFO, No. 4 fuel oil, and No. 6 fuel oil consumed in BOIL-P1-59, BOIL-P1-60, and BOIL-P1-61.
D1	Gallons of JP-5, No. 2 fuel oil, DFM, and FOR consumed in BOIL-P1-55 through BOIL-P1-62, BOIL-SP85-1, and BOIL-SP85-2
D2	Gallons of No. 2 fuel oil consumed in BOIL-Z312-25, BOIL-Z312-26, and BOIL-Z312-27
D3	Gallons of No. 2 fuel oil consumed in emergency generators (ICGF-P1-1, ICGF-P1-3, and ICGF-Z312-D)
G1	Standard cubic feet of natural gas consumed in BOIL-P1-59, BOIL-P1-60, BOIL-P1-61.and BOIL-NH202
G2	Standard cubic feet of natural gas consumed in BOIL-Z312-25, BOIL-Z312-26, and BOIL-Z312-27
a	Percent sulfur content by weight of JP-5
b	Percent sulfur content by weight of No. 2 fuel oil

c	Percent sulfur content by weight of DFM
d	Percent sulfur content by weight of FOR
e	Percent sulfur content by weight of NSFO
f	Percent sulfur content by weight of No. 4 fuel oil
g	Percent sulfur content by weight of No. 6 fuel oil

(9 VAC 5-80-110 and Condition 25 of the NSR/NSPS permit issued June 25, 2007)

21. **Emission Limits** – Using the key in Condition III.A.20, the permittee shall calculate the total tons of NO_x emissions, equivalent (E_{NOx}), per week, and the sum of each 52 week period as follows:

$$E_{NOx} = (2.75 \times 10^{-5})(R1) + (3.35 \times 10^{-5})(R2) + (1.67 \times 10^{-5})(R3) + (1.00 \times 10^{-5})(D1) + (6.95 \times 10^{-6})(D2) + (2.34 \times 10^{-4})(D3) + (5.69 \times 10^{-8})(G1) + (4.16 \times 10^{-8})(G2)$$

Compliance for the 52-week period shall be demonstrated weekly by adding the total for the most recently completed week to the individual weekly totals for the preceding 51 weeks.
(9 VAC 5-80-110 and Condition 26 of the NSR/NSPS permit issued June 25, 2007)

22. **Emission Limits** – Using the key in Condition III.A.20, the permittee shall calculate the total tons of SO_2 emissions, equivalent (E_{SO2}), per week, and the sum of each 52 week period as follows:

$$E_{SO2} = (7.85 \times 10^{-5})[(R1+R2+R3)_{NSFO}(e) + (R1+R2+R3)_{No.4}(f) + (R1+R2+R3)_{No.6}(g)] + (7.10 \times 10^{5})[(D1)_{JP-5}(a) + (D1)_{No.2}(b) + (D1)_{DFM}(c) + (D1)_{FOR}(d)] + (1.42 \times 10^{-5})(D2) + (1.45 \times 10^{5})(D3) + (3.00 \times 10^{-10})(G1 + G2)$$

Compliance for the 52-week period shall be demonstrated weekly by adding the total for the most recently completed week to the individual weekly totals for the preceding 51 weeks.
(9 VAC 5-80-110 and Condition 27 of the NSR/NSPS permit issued June 25, 2007)

23. **Emission Limits** – Using the key in Condition III.A.20, the permittee shall calculate the total tons of CO emissions, equivalent (E_{CO}), per week, and the sum of each 52 week period as follows:

$$E_{CO} = (2.50 \times 10^{-6})(R1+R2+R3+D1) + (6.95 \times 10^{-6})(D2) + (4.23 \times 10^{-5})(D3) + (2.00 \times 10^{-8})(G1) + (5.20 \times 10^{-8})(G2)$$

Compliance for the 52-week period shall be demonstrated weekly by adding the total for the most recently completed week to the individual weekly totals for the preceding 51 weeks.
(9 VAC 5-80-110 and Condition 28 of the NSR/NSPS permit issued June 25, 2007)

24. **Emission Limits** – Using the key in Condition III.A.20, the permittee shall calculate the total tons of Beryllium emissions, equivalent (E_{Be}), per week, and the sum of each 52 week period as follows:

$$E_{Be} = (3.02 \times 10^{-10})(R1+R2+R3) + (1.74 \times 10^{-10})(D1+D3) + (5.31 \times 10^{-11})(D2)$$

Compliance for the 52-week period shall be demonstrated weekly by adding the total for the most recently completed week to the individual weekly totals for the preceding 51 weeks.
(9 VAC 5-80-110 and Condition 29 of the NSR/NSPS permit issued June 25, 2007)

25. **Visible Emission Limit** - Visible emissions from the boilers (Ref. Nos. BOIL-Z312-25, BOIL-Z312-26, and BOIL-Z312-27) shall not exceed ten (10) percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed twenty (20) percent opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9 VAC 5-80-110 and Condition 30 of the NSR/NSPS permit issued June 25, 2007)

26. **Visible Emission Limit** - Visible emissions from the emergency generator (Ref. No. ICGF-Z312-D) shall not exceed ten (10) percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed twenty (20) percent opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9 VAC 5-80-110 and Condition 31 of the NSR/NSPS permit issued June 25, 2007)

27. **Visible Emission Limit** - Visible emissions from the emergency generators (Ref. Nos. ICGF-P1-1 and ICGF-P1-3) and boilers (Ref. Nos. BOIL-P1-55 through BOIL-P1-62) shall not exceed twenty (20) percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed thirty (30) percent opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9 VAC 5-80-110 and Condition 32 of the NSR/NSPS permit issued June 25, 2007)

B. Monitoring

1. For each boiler except BOIL-Z312-25, BOIL-Z312-26, and BOIL-Z312-27, the permittee shall perform a monthly visual emissions observation on each boiler stack during normal operations, and an annual visual emissions observation on each generator stack during normal operations. If such visual observation indicates any visible emissions, the permittee shall take corrective actions to eliminate the visible emissions. If such corrective action fails to eliminate visible emissions, the permittee shall conduct a visible emissions evaluation (VEE) using 40 CFR Part 60, Appendix A, Method 9 for six minutes. If the six-minute VEE opacity average exceeds 50% of the standard for a specific unit, the VEE for that unit shall continue for an additional 12 minutes. If any of the six-minute averages during the 18 minutes exceeds the standard for a specific unit, the VEE for that unit shall continue for one hour from initiation on the stack to determine compliance with the opacity limit. The permittee shall record the details of the visual emissions observations, VEE, and any corrective actions. The records shall be kept at the facility and made available for inspection by the DEQ for the most recent five (5) year period.
(9 VAC 5-80-110)

2. **Monitoring Devices** - The boilers (Ref. Nos.BOIL-Z312-25, BOIL-Z312-26, and BOIL-Z312-27) shall be equipped with a continuous opacity monitor (COM) to continuously measure and record the opacity of particulate matter emitted from each boiler. Each monitor shall be maintained and calibrated in accordance with 40 CFR, Part 60, §60.48b, paragraph (a). A 30-day notification prior to the demonstration of continuous monitoring system performance and subsequent notification requirements are to be submitted to the Director, Tidewater Regional Office.
(9 VAC 5-80-110 and Condition 6 of the NSR/NSPS permit issued June 25, 2007)

3. **Monitoring Devices** - The boilers (Ref. Nos. BOIL-Z312-25, BOIL-Z312-26, and BOIL-Z312-27) shall be equipped with a continuous emission monitor (CEM) to continuously measure and record the concentration of nitrogen oxide emitted from each boiler. Each monitor shall be maintained and calibrated in accordance with 40 CFR, Part 60, §60.48b, paragraph (b), (c), (d), (e)(2), (e)(3), (f), and (g)(1). A 30-day notification prior to the demonstration of continuous monitoring system performance and subsequent notification requirements are to be submitted to the Director, Tidewater Regional Office. The NO_x CEM is a direct compliance monitor subject to the auditing and reporting requirements of 40 CFR 60, Appendix F.
(9 VAC 5-80-110 and Condition 7 of the NSR/NSPS permit issued June 25, 2007)

C. Recordkeeping and Reporting

1. **On Site Records** - The permittee shall maintain records of emission data and operating parameters as necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

   a. The monthly throughput of natural gas and the daily throughput of No. 2 fuel for the boilers (Ref. Nos. BOIL-Z312-25, BOIL-Z312-26, and BOIL-Z312-27).

   b. The annual throughput of natural gas and No. 2 fuel, each, for the boilers (Ref. Nos. BOIL-Z312-25, BOIL-Z312-26, and BOIL-Z312-27), calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.

   c. The annual hours of operation for each emergency generator (Ref. Nos. ICGF-P1-1, ICGF-P1-3, and ICGF-Z312-D), calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.

   d. All fuel supplier certifications.

   e. All emission calculations referenced in Conditions 21, 22, 23, and 24.

   f. Records of annual multicyclone inspections referenced in Condition III.A.1.

   g. Records required in accordance with 40 CFR, Part 60, §60.49b, paragraphs (d), (f), and (g).

   h. Records of scheduled and unscheduled maintenance, and operator training.

   These records shall be available for inspection by the DEQ and shall be current for the most recent five years.
   (9 VAC 5-80-110 and Condition 33 of the NSR/NSPS permit issued June 25, 2007)

2. **Semi-Annual Fuel Reports** - The permittee shall submit fuel quality reports to the Tidewater Regional Office within 30 days after the end of each semi-annual period for the fuel burned in the boilers (Ref. Nos. BOIL-Z312-25, BOIL-Z312-26, and BOIL-Z312-27). If no shipments of distillate oil were received during the semi-annual period, the semi-annual report shall consist of the dates included in the semi-annual period and a statement that no oil was received during the semi-annual period. If distillate oil was received during the semi-annual period, the reports shall include:

   a. Dates included in the semi-annual period,

   b. A copy of all fuel supplier certifications for all shipments of distillate oil received during the semi-annual period or a semi-annual summary from each fuel supplier that includes the information specified in Condition III.A.14 for each shipment of distillate oil, and

c. A signed statement from the owner or operator of the facility that the fuel supplier certifications or summaries of fuel supplier certifications represent all of the distillate oil burned or received at the facility.

One copy of the semi-annual report shall be submitted to:

Associate Director
Office of Air Enforcement (3AP10)
U. S. Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia, PA 19103-2029

(9 VAC 5-80-110 and Condition 34 of the NSR/NSPS permit issued June 25, 2007).

3. **Semi-Annual Emissions Reports** - The permittee shall submit reports of weekly NO_2, SO_2, CO, and Beryllium emissions, equivalent (E_{NO2}, E_{SO2}, E_{CO}, and E_{Be}), to the Director, Tidewater Regional Office, within 30 days after the end of each semi-annual calendar period. Upon generation of 52 weeks of oil purchase and sulfur content data, the permit shall also include in the semi-annual reports the total NO_2, SO_2, CO, and Beryllium emissions, equivalent, per 52 week period, as recalculated each week of the quarter (calculated by addition the total of the most recently completed week with the preceding 51 weeks). The details of the reports are to be arranged with the Director, Tidewater Regional Office.
(9 VAC 5-80-110 and Condition 35 of the NSR/NSPS permit issued June 25, 2007)

4. **Excess Emission Reports** – The permittee shall submit excess emission reports for the boilers (Ref. Nos. BOIL-Z312-25, BOIL-Z312-26, and BOIL-Z312-27) in accordance with the procedures of 40 CFR, Part 60, §60.49b, paragraph (h) and/or (i), for the following:

   a. All six-minute periods when opacity exceeds 10%.

   b. All thirty-day rolling averages when NO_x exceeds 0.10 lb/million Btu.

   The report shall be submitted to the Director, Tidewater Regional Office, within 30 days after the end of each calendar quarter or semiannual period, whichever applies, beginning within 120 days of completion of the initial opacity and nitrogen oxides continuous emission monitor performance tests. The reports shall contain but are not limited to the total source operating time, total monitor operating time, calendar date, beginning and ending time periods and magnitudes of excess emissions, the reasons for excess emissions and corrective actions taken, beginning and ending time periods of monitor downtime, reasons for monitor downtime and corrective action taken, identification of periods when data was excluded from the report and the applicable reasons, daily calibration drift test results, the date and results of audits performed during the quarter, and the F-factor used in calculating NO_x emissions.
   (9 VAC 5-80-110 and Condition 36 of the NSR/NSPS permit issued June 25, 2007)

IV. Internal Combustion Engines (Generators)

The internal combustion engines (generators) associated with this section of the permit consists of the following emission units: ICGF-CEP151, ICGF-CEP156, ICGF-CEP209, ICGF-M51-1, ICGF-M51-2, ICGF-M51-3, ICGF-M51-GBS , ICGF-M113, ICGF-NH94-1, ICGF-NH94-2, ICGF-NH94-3, ICGF-NH94-4, ICGF-NH139, ICGF-V53, ICGF-V117, ICGF-W6A, ICGF-W143-1, ICGF-W143-2, ICGF-W143-R1, ICGF-W143-R2, ICGF-W143-R3, ICGF-W143-R4, ICGF-W150A, and ICGF-Z312-NG.

A. Limitations

1. **Fuel** - The approved fuel for each engine generator set (ICGF-NH94-1, ICGF-NH94-2, ICGF-NH94-3, and ICGF-NH94-4) is distillate oil. A change in the fuel may require a permit to modify and operate.
   (9 VAC 5-80-110 and Condition 3 of the NSR permit issued June 13, 2003)

2. **Fuel Throughput** - The four engine generator sets combined (Emission Units ICGF-NH94-1, ICGF-NH94-2, ICGF-NH94-3, and ICGF-NH94-4) shall consume no more than 300,000 gallons of fuel per year, calculated monthly as the sum of each consecutive 12 month period.
   (9 VAC 5-80-110 and Condition 4 of NSR permit issued June 13, 2003)

3. **Fuel** - The distillate oil for the four engine generator sets (ICGF-NH94-1, ICGF-NH94-2, ICGF-NH94-3, and ICGF-NH94-4) shall meet the specifications below:

   DISTILLATE OIL which meets the ASTM D-396 specification for numbers 1 or 2 fuel oil:
   Maximum sulfur content per shipment: 0.5%

   (9 VAC 5-80-110 and Condition 5 of the NSR permit issued June 13, 2003)

4. **Fuel Certification** – the permittee shall obtain a certification from the fuel supplier with each shipment of distillate oil for use in ICGF-NH94-1 through ICGF-NH94-4 or ICGF-W143-R1 through ICGF-W143-R4. Each fuel supplier certification shall include the following:

   a. The name of the fuel supplier;

   b. The date on which the distillate oil was received;

   c. The volume of distillate oil delivered in the shipment; and,

   d. A statement that the distillate oil complies with the American Society for Testing and Materials specifications D-396 for numbers 1 or 2 fuel oil.

   (9 VAC 5-80-110, Condition 6 of the NSR permit issued June 13, 2003, and Condition 7 of the NSR/NSPS permit issued October 10, 2002)

5. **Emission Limits** - Emissions from the operation of each of the three generator sets (ICGF-NH94-1, ICGF-NH94-3, and ICGF-NH94-4) shall not exceed the limits specified below:

Nitrogen Oxides (as NO_2)	65.3 lbs/hr
Carbon Monoxide	17.1 lbs/hr
Sulfur Dioxide	10.5 lbs/hr
Volatile Organic Compounds	1.9 lbs/hr
Particulate Matter	1.5 lbs/hr
PM-10	1.5 lbs/hr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 1, 2, and 12 of this Section.
(9 VAC 5-80-110 and Condition 7 of the NSR permit issued June 13, 2003)

6. **Emission Limits** - Emissions from the operation of generator set ICGF-NH94-2 shall not exceed the limits specified below:

Nitrogen Oxides (as NO_2)	32.6 lbs/hr
Carbon Monoxide	8.5 lbs/hr
Sulfur Dioxide	5.3 lbs/hr
Volatile Organic Compounds	0.9 lbs/hr
Particulate Matter	0.7 lbs/hr
PM-10	0.7 lbs/hr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 1, 2, and 12 of this Section.
(9 VAC 5-80-110 and Condition 8 of the NSR permit issued June 13, 2003)

7. **Emission Limits** - Emissions from the operation of the four generator sets (Emission Units ICGF-NH94-1, ICGF-NH94-2, ICGF-NH94-3, and ICGF-NH94-4), combined, shall not exceed the limits specified below, determined as the sum of each consecutive 12 month period:

Nitrogen Oxides (as NO_2)	65.8 tons/yr
Carbon Monoxide	17.5 tons/yr
Sulfur Dioxide	10.4 tons/yr
Volatile Organic Compounds	1.7 tons/yr
Particulate Matter	1.4 tons/yr
PM-10	1.0 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 1, 2, and 12 of this Section.
(9 VAC 5-80-110 and Condition 9 of the NSR permit issued June 13, 2003)

8. **Visible Emission Limit** - Visible emissions from the stack of each engine generator set (Emission Units ICGF-NH94-1, ICGF-NH94-2, ICGF-NH94-3, ICGF-NH94-4, and ICGF-CEP209) shall not exceed 15 percent opacity except for one six-minute period in any one hour of not more than 20 percent opacity, as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-80-110, Condition 10 of the NSR permit issued June 13, 2003 and Condition 15 of the NSR permit issued December 8, 1999)

9. **Visible Emission Limit** - Visible emissions from the stack of each engine generator set (Emission Units ICGF-CEP156, ICGF-M51-1, ICGF-M51-2, ICGF-M51-3, ICGF-M113, ICGF-NH139, ICGF-W6A, ICGF-W143-1, ICGF-W143-2 ,and ICGF-V53, shall not exceed 20 percent opacity, except for one six-minute period in any one hour of not more than 30 percent opacity, as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-50-80 and 9 VAC 5-80-110)

10. **Operating Hours** - Each generator (ICGF-W143-R1, ICGF-W143-R2, ICGF-W143-R3, and ICGF-W143-R4) shall not operate more than 450 hours per year, calculated monthly as the sum of each consecutive 12-month period.
(9 VAC 5-80-110 and Condition 4 of the NSR/NSPS permit issued October 10, 2002)

11. **Operating Hours** - The emergency generator (ICGF-CEP209) shall not operate more than 500 hours per year, calculated monthly as the sum of each consecutive 12-month period.
(9 VAC 5-80-110 and Condition 9 of the NSR permit issued December 8, 1999)

12. **Fuel** - The approved fuel for the generators (ICGF-CEP209 and ICGF-W143-R1 through ICGF-W143-R4) is distillate oil. A change in the fuel may require a permit to modify and operate.
(9 VAC 5-80-110, Condition 5 of the NSR/NSPS permit issued October 10, 2002, and condition 8 of the NSR permit issued December 8, 1999)

13. **Fuel** - The distillate oil for ICGF-CEP209 and ICGF-W143-R1 through ICGF-W143-R4 shall meet the specifications below

    DISTILLATE OIL which meets the ASTM D-396 specification for numbers 1 or 2 fuel oil:
    Maximum sulfur content per shipment: 0.5%

    (9 VAC 5-80-110, Condition 10 of the NSR permit issued December 8, 1999, and Condition 6 of the NSR/NSPS permit issued October 10, 2002)

14. **Emission Limits** - Emissions from the operation of the generators (ICGF-W143-R1, ICGF-W143-R2, ICGF-W143-R3, and ICGF-W143-R4) shall not exceed the limits specified below:

	Each	Combined
Particulate Matter	0.9 lbs/hr	0.8 tons/yr
PM-10	0.7 lbs/hr	0.7 tons/yr
Sulfur Dioxide	6.5 lbs/hr	5.8 tons/yr
Nitrogen Oxides (as NO_2)	41.0 lbs/hr	36.9 tons/yr
Carbon Monoxide	10.8 lbs/hr	9.8 tons/yr
Volatile Organic Compounds	1.3 lbs/hr	1.2 tons/yr

    These limits are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 8, 10, 11, and 14 of this Section.
    (9 VAC 5-80-110 and Condition 9 of the NSR/NSPS permit issued October 10, 2002)

15. **Visible Emission Limit** - Visible emissions from the generators (ICGF-W143-R1, ICGF-W143-R2, ICGF-W143-R3, and ICGF-W143-R4) shall not exceed 10 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 20 percent opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
    (9 VAC 5-80-110 and Condition 10 of the NSR/NSPS permit issued October 10, 2002)

16. **Visible Emissions** - The opacity standards shall apply at all times except during periods of startup, shutdown and malfunction.
    (9 VAC 5-50-20 A.3 and 9 VAC 5-80-110)

17. **Operation** - At all times, including periods of startup, shutdown, and malfunction, the generators including associated air pollution control equipment shall be maintained and operated in a manner consistent with air pollution control practices for minimizing emissions.
    (9 VAC 5-50-20 E and 9 VAC 5-80-110)

18. **NSPS Subpart IIII** - The permittee shall comply with the applicable requirements of 40 CFR 60 Subpart IIII (Standards of Performance for Stationary Compression Ignition Internal Combustion Engines). The permittee shall refer to the applicable Federal regulation for detailed requirements not listed in this permit. This condition applies to ICGF-CEP151, ICGF-W150A, and ICGF-V117. (9 VAC 5-80-110 and 40 CFR 60 Subpart IIII)

19. **NSPS Subpart IIII** - The permittee shall comply with the applicable emission standards of 40 CFR 60.4204 and 60.4205. This condition applies to ICGF-CEP151, ICGF-W150A, and ICGF-V117. (9 VAC 5-80-110, 40 CFR 60.4204, and 40 CFR 60.4205)

20. **NSPS Subpart IIII** - The permittee shall comply with the applicable fuel requirements of 40 CFR 60.4207. This condition applies to ICGF-CEP151, ICGF-W150A, and ICGF-V117. (9 VAC 5-80-110 and 40 CFR 60.4207)

21. **NSPS Subpart IIII** - The permittee shall comply with the applicable monitoring requirements of 40 CFR 60.4209. This condition applies to ICGF-CEP151, ICGF-W150A, and ICGF-V117. (9 VAC 5-80-110 and 40 CFR 60.4209)

22. **NSPS Subpart IIII** - The permittee shall comply with the applicable compliance requirements of 40 CFR 60.4211. This condition applies to ICGF-CEP151, ICGF-W150A, and ICGF-V117. (9 VAC 5-80-110 and 40 CFR 60.4211)

23. **NSPS Subpart IIII** - The permittee shall comply with the applicable notification, reporting, and recordkeeping requirements of 40 CFR 60.4214. This condition applies to ICGF-CEP151, ICGF-W150A, and ICGF-V117. (9 VAC 5-80-110 and 40 CFR 60.4214)

24. **NSPS Subpart IIII** - The permittee shall comply with the applicable requirements of the General Provisions, as outlined in Table 8 of NSPS Subpart IIII. This condition applies to ICGF-CEP151, ICGF-W150A, and ICGF-V117. (9 VAC 5-80-110 and 40 CFR 60.4218)

25. **MACT Subpart ZZZZ** - The permittee shall comply with the applicable requirements of 40 CFR 63 Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). The permittee shall refer to the applicable Federal regulation for detailed requirements not included in this permit. This condition applies to ICGF-CEP151, ICGF-M51-GBS, ICGF-W150A, ICGF-Z312-NG, and ICGF-V117. (9 VAC 5-80-110 and 40 CFR 63 Subpart ZZZZ)

26. **MACT Subpart ZZZZ** - The permittee shall comply with the applicable notification requirements. This condition applies to ICGF-CEP151, ICGF-M51-GBS, ICGF-W150A, ICGF-Z312-NG, and ICGF-V117. (9 VAC 5-80-110 and 40 CFR 63.6595)

27. **MACT Subpart ZZZZ** - For emergency engines with a site rating less than or equal to 500 brake HP, the permittee shall meet the requirements of 40 CFR 63 Subpart ZZZZ by meeting the requirements of 40 CFR 60 Subpart IIII or 40 CFR Subpart JJJJ, as applicable. This condition applies to ICGF-CEP151, ICGF-W150A, ICGF-Z312-NG, and ICGF-V117. (9 VAC 5-80-110 and 40 CFR 63.6585)

B. Monitoring

1. The permittee shall perform an annual visual emissions observation (at least once each 12 consecutive calendar months) on each generator (Emission Units ICGF-NH94-1 through 4, ICGF-CEP209, ICGF-W143-R1 through R4) stack during operation at full load. If such visual observations indicate any visible emissions, the permittee shall take corrective action to correct the cause of the opacity. If such corrective actions fail to eliminate visible emissions, the permittee shall conduct a visible emissions evaluation (VEE) using 40 CFR Part 60, Appendix A, Method 9 for six minutes. If the six-minute VEE opacity average exceeds 50% of the specified standard for a unit, the VEE shall continue for an additional 12 minutes on that unit. If any of the six-minute averages during the 18 minutes exceeds the specified standard for the unit, the VEE for that specific unit shall continue for one hour from initiation on the stack to determine compliance with the opacity limit. The permittee shall record the details of the visual emissions observations, VEE, and any corrective actions. The records shall be kept at the facility and made available for inspection by the DEQ for the most recent five (5) year period.
(9 VAC 5-80-110)

C. Recordkeeping and Reporting

1. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

   a. The number of operating hours per year (Emission Units ICGF-CEP209, ICGF-W143-R1 through R4), calculated monthly as the sum of each consecutive 12 month period;

   b. Fuel throughput for the four engine generator sets (Emission Units ICGF-NH94-1 through 4), combined, calculated monthly as the sum of each consecutive 12 month period;

   c. All fuel supplier certifications;

   d. Records of visual evaluations, visible emissions evaluations and any corrective action taken;

   e. Scheduled and unscheduled maintenance, and operator training, for ICGF-NH94-1 through 4, and ICGF-W143-R1 through R4;

   f. Records as necessary to demonstrate compliance with 40 CFR 60 Subpart IIII and 40 CFR 63 Subpart ZZZZ, for ICGF-CEP151, ICGF-M51-GBS, ICGF-W150A, ICGF-V117, and ICGF-Z312-NG.

   g. DEQ-approved, pollutant-specific emission factors and equations used to show compliance with the emission limits contained in Part A of this section of this permit.

   These records shall be available at the facility for inspection by the DEQ and shall be current for the most recent five (5) years.
   (9 VAC 5-80-110, Condition 11 of the NSR permit issued June 13, 2003, and Condition 12 of the NSR/NSPS permit issued October 10, 2002, and Condition 17 of the NSR permit issued December 8, 1999)

2. The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment and process equipment which affect such emissions for ICGF-NH94-1 through 4 and ICGF-W143-R1 through R4:

   a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance.

   b. Maintain an inventory of spare parts.

c. Have available written operating procedures for equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.

d. Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training, and the nature of the training.

Records of maintenance and training shall be maintained on site for a period of five years and shall be made available to DEQ personnel upon request.
(9 VAC 5-80-110, Condition 19 of NSR/NSPS permit issued October 10, 2002, and Condition 17 of NSR permit issued June 13, 2003)

V. Surface Coating Operations

The surface coating activities associated with this section of the permit consist of the following Emission Units:

Grouped Emissions Units - PNTS-AERO (units subject to Aerospace NESHAP)

Unit Id.	Operation	Description
PNTO-LP167	Aircraft painting (Aerospace NESHAP)	Open hangar touchup of fully assembled aircraft
PNTS-LP167	Aircraft painting (Aerospace NESHAP)	Paint Booth with fabric filters for aircraft parts
PNTS-SP300-400	Aircraft painting (Aerospace NESHAP)	Paint Booth with fabric filters for aircraft propellers
PNTS-SP300-500	Aircraft painting (Aerospace NESHAP)	Paint Booth with fabric filters for aircraft parts
PNTS-SP300-600	Aircraft painting (Aerospace NESHAP)	Paint Hood with fabric filters for aircraft electronic assemblies
PNTS-SP383-1	Aircraft painting (Aerospace NESHAP)	Paint Hood with fabric filters for aircraft panels
PNTS-SP383-2	Aircraft painting (Aerospace NESHAP)	Paint Hood with fabric filters for aircraft panels
PNTO-HM14-AERO	Aircraft painting (Aerospace NESHAP)	Open hangar touchup of fully assembled aircraft
PNTO-HSC2	Aircraft painting (Aerospace NESHAP)	Open hangar touchup of fully assembled aircraft
PNTO-HSC22	Aircraft painting (Aerospace NESHAP)	Open hangar touchup of fully assembled aircraft
PNTO-HSC26	Aircraft painting (Aerospace NESHAP)	Open hangar touchup of fully assembled aircraft
PNTO-HSC28	Aircraft painting (Aerospace NESHAP)	Open hangar touchup of fully assembled aircraft
PNTO-HSC84	Aircraft painting (Aerospace NESHAP)	Open hangar touchup of fully assembled aircraft
PNTO-MAG42	Aircraft painting (Aerospace NESHAP)	Open hangar touchup of fully assembled aircraft
PNTO-VAW120	Aircraft painting (Aerospace NESHAP)	Open hangar touchup of fully assembled aircraft
PNTO-VAW121	Aircraft painting (Aerospace NESHAP)	Open hangar touchup of fully assembled aircraft
PNTO-VAW123	Aircraft painting (Aerospace NESHAP)	Open hangar touchup of fully assembled aircraft
PNTO-VAW124	Aircraft painting (Aerospace NESHAP)	Open hangar touchup of fully assembled aircraft
PNTO-VAW125	Aircraft painting (Aerospace NESHAP)	Open hangar touchup of fully assembled aircraft
PNTO-VAW126	Aircraft painting (Aerospace NESHAP)	Open hangar touchup of fully assembled aircraft
PNTO-VRC40	Aircraft painting (Aerospace NESHAP)	Open hangar touchup of fully assembled aircraft
PNTS-V146	Aircraft painting (Aerospace NESHAP)	Paint Booth with HEPA filters for painting fully assembled helicopters
PNTO-V147	Aircraft painting (Aerospace NESHAP)	Open hangar touchup of fully assembled aircraft

Grouped Emissions Units - PNTS-SHIP (units subject to Ship NESHAP)

Unit Id.	Operation	Description
PNTS-CEP209	Ship painting (Ship NESHAP)	Paint Booth with fabric filters for mast/fairing repair
PNTO-HM14-SHIP	Ship painting (Ship NESHAP)	Outdoor, small boat touchup
PNTO-PIERS-KTR	Ship painting (Ship NESHAP)	Outdoor, pier-side ship painting by contractors
PNTO-PIERS-NVY	Ship painting (Ship NESHAP)	Outdoor, pier-side ship touchup by ships personnel
PNTO-CEP165A	Ship painting (Ship NESHAP)	Outdoor, small boat touchup of port operations vessels
PNTO-PIERS-DIVE	Ship painting (Ship NESHAP)	Outdoor, pier-side touchup of diver's barge
PNTO-PIERS-SPRUCE	Ship painting (Ship NESHAP)	Outdoor, pier-side repair of sub decks by spruce barge
PNTO-PIERS-TUG	Ship painting (Ship NESHAP)	Outdoor, pier-side tug touchup by Moran personnel
PNTO-Q50	Ship painting (Ship NESHAP)	Outdoor, small boat touchup of oil recovery vessels
PNTO-Q72	Ship painting (Ship NESHAP)	Outdoor, barge repair operations
PNTO-V88	Ship painting (Ship NESHAP)	Open hangar, small boat touchup

Grouped Emissions Units- PNTS-OTHER (units subject to neither Aircraft or Ship NESHAP)

Unit Id.	Operation	Description
PNTO-A81	Indoor painting and silk screening	Facility Maintenance Sign Shop
PNTO-NM110	Outdoor painting and undercoating	Mobile facility units
PNTS-NM110	Paint Booth – fabric filter	Mobile facility units
PNTS-SP356	Paint Booth - fabric filter	Ground Support Equipment
PNTS-X137	Paint Booth – fabric filter	Miscellaneous Parts

A. Limitations

1. No owner or other person shall cause or permit to be discharged into the atmosphere from any affected facility (paint booth exhaust) any visible emissions which exhibit greater than twenty (20) percent opacity, except for one six-minute period in any one hour of not more than thirty (30) percent opacity. Failure to meet the requirements of this condition because of the presence of water vapor shall not be a violation of this condition. This condition applies to units identified as a booth (except PNTS-CEP209, PNTS-SP300-500, PNTS-SP300-400, and PNTS-V146).
(9 VAC 5-50-80 and 9 VAC 5-80-110)

2. The opacity standard shall apply at all times except during periods of startup, shutdown, and malfunction and as otherwise provided in an applicable standard.
(9 VAC 5-50-20 A.3 and 9 VAC 5-80-110)

3. At all times, including periods of startup, shutdown and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. This condition applies to units identified as a booth.
(9 VAC 5-50-20 E and 9 VAC 5-80-110)

4. At all times the disposal of volatile organic compounds shall be accomplished by taking measures, to the extent practicable, consistent with air pollution control practices for minimizing emissions. Volatile organic compounds shall not be intentionally spilled, discarded in sewers which are not connected to a treatment plant, or stored in open containers or handled in any other manner that would result in evaporation beyond that consistent with air pollution control practices for minimizing emissions.
(9 VAC 5-50-20 F, 9 VAC 5-80-110, Condition 4 of the NSR/MACT permit issued January 5, 2009, and Condition 4 of the NSR/MACT permit issued February 5, 2003)

5. Particulate emissions from PNTS-SP300-500 and PNTS-SP300-400 shall be controlled by paint arrest filters. The paint arrest filters shall be provided with adequate access for inspection and shall be in operation when the paint booths are operating.
(9 VAC 5-80-110 and Condition 3 of the NSR/MACT permit issued February 5, 2003)

6. Particulate emissions from PNTS-CEP209 shall be controlled by dry filters. The filters shall be provided with adequate access for inspection and shall be in operation when the paint booth is operating.
(9 VAC 5-80-110 and Condition 3 of the NSR/MACT permit issued December 8, 1999)

7. Particulate emissions from PNTS-V146 shall be controlled by a HEPA filter. The filter shall be provided with adequate access for inspection and shall be in operation when PNTS-V146 is operating.
(9 VAC 5-80-110 and Condition 3 of the NSR/MACT permit issued January 5, 2009)

8. The throughput of coatings to PNTS-CEP209 shall not exceed 1,645 gallons per year, calculated monthly as the sum of each consecutive 12-month period.
(9 VAC 5-80-110 and Condition 6 of the NSR/MACT permit issued December 8,1999)

9. The throughput of coatings to PNTS-SP300-500 shall not exceed 100 gallons per year, calculated monthly as the sum of each consecutive 12-month period. The throughput of coatings to PNTS-SP300-400 shall not exceed 8 gallons per year, calculated monthly as the sum of each consecutive 12-month period.
(9 VAC 5-80-110 and Condition 6 of the NSR/MACT permit issued February 5, 2003)

10. The throughput of coatings to PNTS-V146 shall not exceed 972 gallons per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual totals for the preceding 11 months.
(9 VAC 5-80-110 and Condition 7 of the NSR/MACT permit issued January 5, 2009)

11. The VOC content of coatings to PNTS-V146 shall not exceed the following limits:
Primers: 2.9 lbs/gallon (less water and exempt solvents) as applied
Topcoats: 3.5 lbs/gallon (less water and exempt solvents) as applied
(9 VAC 5-80-110 and Condition 9 of the NSR/MACT permit issued January 5, 2009)

12. The HAP content of coatings to PNTS-V146 shall not exceed the following limits:
Primers: 2.9 lbs/gallon (less water) as applied
Topcoats: 3.5 lbs/gallon (less water) as applied
(9 VAC 5-80-110 and Condition 10 of the NSR/MACT permit issued January 5, 2009)

13. Emissions from the operation of PNTS-CEP209 shall not exceed the limits specified below:

Volatile Organic Compounds	20.4 lbs/hr	2.3 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition number A.8 of this Section.
(9 VAC 5-80-110 and Condition 11 of the NSR/MACT permit issued December 8, 1999)

14. Emissions from the operation of PNTS-SP300-500 and PNTS-SP300-400 shall not exceed the limits specified below:

PNTS-SP300-500		
PM / PM10	2.9 lbs/hr	12.7 tons/yr
Volatile Organic Compounds	1.1 lbs/hr	4.8 tons/yr
PNTS-SP300-400		
Volatile Organic Compounds	0.6 lbs/hr	2.6 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition number A.9 of this Section.
(9 VAC 5-80-110 and Condition 7 of the NSR/MACT permit issued February 5, 2003)

15. Emissions from the operation of the helicopter paint/depaint facility (PNTS-V146) shall not exceed the limits specified below:

Particulate Matter	5.6 lbs/hr	0.5 ton/yr
PM-10	5.6 lbs/hr	0.5 ton/yr
Volatile Organic Compounds	18.9 lbs/hr	1.7 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers A.4, 7, 10, 11, and 12, and C.1, of this Section.
(9 VAC 5-80-110 and Condition 12 of the NSR/MACT permit issued January 5, 2009)

16. Visible emissions from PNTS-CEP209, PNTS-SP300-500, PNTS-SP300-400, and PNTS-V146, each, shall not exceed 5 percent opacity, as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9 VAC 5-80-110, Condition 13 of NSR/MACT permit issued December 8, 1999, Condition 8 of the NSR/MACT permit issued February 5, 2003, and Condition 13 of the NSR/MACT permit issued January 5, 2009)

17. The permittee shall comply with the requirements of 40 CFR 63 Subpart GG (Aerospace Manufacturing and Rework Facilities) and of 40 CFR 63 Subpart A, except as specified in 40 CFR 63.743(a) and Table 1 of 40 CFR 63 Subpart GG. The permit may not contain all applicable requirements.
(9 VAC 5-80-110, 40 CFR 63.741(b), Condition 5 of the NSR/MACT permit issued February 5, 2003, and Condition 11 of the NSR/MACT permit issued January 5, 2009)

18. The permittee shall comply with the requirements of 40 CFR 63 Subpart II (Shipbuilding and Ship Repair (Surface Coating)) and of 40 CFR 63 Subpart A, as specified in Table 1 of 40 CFR 63 Subpart II. The permit may not contain all applicable requirements.
(9 VAC 5-80-110, 40 CFR 63.780, Condition 16 of the NSR/MACT permit issued December 8, 1999)

19. The provisions of 40 CFR Part 63 Subpart II do not apply to "low-usage exempt" coatings used in volumes of less than 52.8 gallons per year for each coating, and 264 gallons per year of all such coatings. Coatings exempt under this condition shall be clearly labeled as "low-usage exempt". This condition applies to PNTS-SHIP.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.781(b))

20. No owner or operator shall cause or allow the application of any coating to a ship with an as-applied VOHAP content exceeding the applicable limit given in Table 2 of 40 CFR 63, Subpart II. This condition applies to PNTS-SHIP.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.783(a))

21. Each owner or operator of a new or existing affected source shall ensure that:

    a. All handling and transfer of VOHAP-containing materials to and from containers, tanks, vats, drums, and piping systems is conducted in a manner that minimizes spills.

    b. All containers, tanks, vats, drums, and piping systems are free of cracks, holes, and other defects and remain closed unless materials are being added to or removed from them.

    This condition applies to PNTS-SHIP.
    (9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.783(b))

22. For each batch of coating that is received, the owner or operator shall:

    a. Determine the coating category and the applicable VOHAP limit as specified in 40 CFR 63.783(a).

    b. Certify the as-supplied VOC content of the coating.

    This condition applies to PNTS-SHIP.
    (9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.785(a))

23. In lieu of testing each batch of coating, as applied, the owner or operator may determine compliance with the VOHAP limits using any combination of the procedures described in 40 CFR 63.785 (c)(1), (c)(2), (c)(3), and (c)(4). The procedure used for each coating shall be determined and documented prior to application. This condition applies to PNTS-SHIP.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.785(b)(1))

24. Each owner or operator that uses an air pollution control device or equipment to control HAP emissions shall prepare and operate in accordance with a startup, shutdown, and malfunction plan in accordance with 40 CFR 63.6. Dry particulate filter systems operated per the manufacturer's instructions are exempt from a startup, shutdown and malfunction plan. A startup, shutdown and malfunction plan shall be prepared for facilities using locally prepared operating procedures. In addition to the information required in 40 CFR 63.6, this plan shall also include the following provisions:

    a. The plan shall specify the operation and maintenance criteria for each air pollution control device for equipment and shall include a standardized checklist to document the operation and maintenance of the equipment;

    b. The plan shall include a systematic procedure for identifying malfunctions and for reporting them immediately to supervisory personnel; and,

    c. The plan shall specify procedures to be followed to ensure that equipment or process malfunctions due to poor maintenance or other preventable conditions do not occur.

    This condition applies to Emission Units PNTS-LP167, PNTS-SP300-400, PNTS-SP300-500, PNTS-SP300-600, and PNTS-V146 (PNTS-AERO booths).
    (9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.743(b))

25. All cleaning operations shall comply with the following requirements:

    a. Place cleaning solvent-laden cloth, paper, or any other absorbent applicators used for cleaning in bags or other closed containers upon completing their use. Ensure that these bags and containers are kept closed at all times except when depositing or removing these materials from the container. Use bags and containers of such design so as to contain the vapors of the cleaning solvent. Cotton-tipped swabs used for very small cleaning operations are exempt from this requirement.

    b. Store fresh and spent cleaning solvents, except semi-aqueous solvent cleaners, used in aerospace cleaning operations in closed containers.

    c. Conduct the handling and transfer of cleaning solvents to or from enclosed systems, vats, waste containers, and other cleaning operation equipment that hold or store fresh or spent cleaning solvents in such a manner that minimizes spills.

    This condition applies to PNTS-AERO.
    (9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.744(a))

26. Hand-wipe cleaning operations shall use cleaning solvents that meet one of the following requirements:

    a. Meet one of the composition requirements for approved cleaning solvents;

    b. Have a composite vapor pressure of 45 mm Hg or less at 20 C; or,

c. Demonstrate that the volume of hand-wipe solvents used in cleaning operations has been reduced by at least 60% from the baseline.

This condition applies to PNTS-AERO.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.744(b))

27. Each owner or operator of a spray gun cleaning operation in which spray guns are used for the application of coatings or any other materials that require the spray guns to be cleaned shall use one or more of the following techniques, or their equivalent, as specified and described in 40 CFR 63.744(c):

    a. Enclosed system;

    b. Nonatomized cleaning;

    c. Disassembled spray gun cleaning;

    d. Atomizing cleaning.

    Cleaning of the nozzle tips of automated spray equipment systems, except for robotic systems that can be programmed to spray into a closed container, shall be exempt from the requirements of paragraph (c) of 40 CFR 63.744.

    If leaks are found in the enclosed system during the monthly inspection required in 40 CFR 63.751(a), repairs shall be made as soon as practicable, but no later than 15 days after the leak was found. If the leak is not repaired by the 15th day after detection, the cleaning solvent shall be removed, and the enclosed cleaner shall be shut down until the leak is repaired or its use is permanently discontinued.

    This condition applies to PNTS-AERO.
    (9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.744(c))

28. Used cleaning solvent from flush-cleaning operations shall be emptied each time aerospace parts or assemblies, or components of a coating unit are flush cleaned into an enclosed container or collection system that is kept closed when not in use or into a system with equivalent emission control. This condition applies to PNTS-AERO.
    (9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.744(d))

29. The handling and transfer of primers and topcoats to or from containers, tanks, vats, vessels, and piping systems shall be conducted in such a manner that minimizes spills. This condition applies to PNTS-AERO.
    (9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.745(b))

30. The uncontrolled coatings organic HAP and VOC content levels shall not exceed the following:

    a. 2.9 pounds organic HAP per gallon of primer, less water, as applied;

    b. 2.9 pounds VOC per gallon of primer, less water and exempt solvents, as applied;

    c. 3.5 pounds organic HAP per gallon of topcoat, less water, as applied;

    d. 3.5 pounds VOC per gallon of topcoat, less water and exempt solvents, as applied.

    This condition applies to PNTS-AERO.
    (9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.745(c))

31. All primers and topcoats (including self-priming topcoats) shall be applied using one or more of the following application techniques:

    a. Flow/curtain coat application;

    b. Dip coat application;

    c. Roll coating;

    d. Brush coating;

    e. Cotton-tipped swab application;

    f. Electrodeposition (dip) coating;

    g. High volume low pressure (HVLP) spraying;

    h. Electrostatic spray application;

    i. Other coating application methods that achieve emission reductions equivalent to HVLP or electrostatic spray application methods.

    This condition applies to PNTS-AERO.
    (9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.745(f)(1))

32. All application devices used to apply primers or topcoats (including self-priming topcoats) shall be operated according to company procedures, local specified operating procedures, and/or the manufacturer's specifications, whichever is most stringent, at all times. Equipment modified by the facility shall maintain a transfer efficiency equivalent to HVLP and electrostatic spray application techniques. This condition applies to PNTS-AERO.
    (9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.745(f)(2))

33. The following situations are exempt from the requirements of 40 CFR 63.745(f)(1):

    a. Any situation that normally requires the use of an airbrush or an extension on the spray gun to properly reach limited access space;

    b. The application of coatings that contain fillers that adversely affect atomization with HVLP spray guns and that the permitting agency has determined cannot be applied by any of the application methods specified in paragraph 40 CFR 63.745(f)(1);

    c. The application of coatings that normally have a dried film thickness of less than 0.0013 centimeter (0.0005 in.) and that the permitting agency has determined cannot be applied by any of the application methods specified in paragraph 40 CFR 63.745(f)(1);

    d. The use of airbrush application methods for stenciling, lettering, and other identification markings;

    e. The use of hand-held spray can application methods; and,

    f. Touch-up and repair operations.

    This condition applies to PNTS-AERO.
    (9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.745(f)(3))

34. The handling and transfer of waste that contains HAP to or from containers, tanks, vats, vessels, and piping systems shall be conducted in such a manner that minimizes spills. This condition applies to PNTS-AERO.
    (9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.748)

35. Any facility subject to 40 CFR 63 subpart GG shall be considered in noncompliance if the owner or operator fails to submit a startup, shutdown, and malfunction plan as required by 40 CFR 63.743(b) or uses a control device other than one specified in 40 CFR 63 Subpart GG that has not been approved by the Administrator. This condition applies to PNTS-AERO.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.749(b))

36. Each cleaning operation subject to 40 CFR 63 subpart GG shall be considered in noncompliance if the owner or operator fails to institute and carry out the housekeeping measures required under 40 CFR 63.744(a). Incidental emissions resulting from the activation of pressure release vents and valves on enclosed cleaning systems are exempt from this condition. This condition applies to PNTS-AERO.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.749(c))

37. Hand-wipe cleaning operations shall be considered in compliance when all hand-wipe cleaning solvents, excluding those used for hand cleaning of spray gun equipment under 40 CFR 63.744(c)(3), meet either the composition requirements specified in 40 CFR 63.744(b)(1) or the vapor pressure requirement specified in 40 CFR 63.744(b)(2). This condition applies to PNTS-AERO.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.749(c)(1))

38. Spray gun cleaning operations shall be considered in compliance when each of the following conditions is met:

    a. One of the four techniques specified in 40 CFR 63.744(c)(1) through (c)(4) is used;

    b. The technique selected is operated according to the procedures specified in 40 CFR 63.744(c)(1) through (c)(4) as appropriate; and,

    c. If an enclosed system is used, monthly visual inspections are conducted and any leak detected is repaired within 15 days after detection. If the leak is not repaired by the 15th day after detection, the solvent shall be removed and the enclosed cleaner shall be shut down until the cleaner is repaired or its use is permanently discontinued.

    This condition applies to PNTS-AERO.
    (9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.749(c)(2))

39. A flush cleaning operation shall be considered in compliance if the operating requirements specified in 40 CFR 63.744(d) are implemented and carried out. This condition applies to PNTS-AERO.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.749(c)(3))

B. Monitoring

1. The HEPA filter for PNTS-V146 shall be equipped with a device to measure the pressure drop across the filter. The monitoring device shall be installed, maintained, calibrated, and operated in accordance with approved procedures which shall include, as a minimum, the manufacturer's written requirements or recommendations. Each monitoring device shall be provided with adequate access for inspection and shall be in operation when PNTS-V146 is operating.
(9 VAC 5-80-110 and Condition 5 of the NSR/MACT permit issued January 5, 2009)

2. The monitoring device used to measure pressure drop across the HEPA filter at PNTS-V146 shall be observed by the permittee with a frequency of not less than once per week on weeks when the paint booth is in operation, to ensure good performance of the HEPA filter. The permittee shall keep a log of the observations from the monitoring device, including date, time, observation made, and name of observer.
(9 VAC 5-80-110 and Condition 6 of the NSR/MACT permit issued January 5, 2009)

3. The seals and all other potential sources of leaks associated with each enclosed gun spray cleaner system shall be visually inspected at least once per calendar month. Each inspection shall occur while the system is in operation. This condition applies to PNTS-AERO.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.751(a))

4. If a dry particulate filter system is used to meet the requirements of 40 CFR 63.745(g)(2), the pressure drop across each dry particulate filter system shall be continuously monitored while primer or topcoat application operations are occurring. The pressure drop shall be read and recorded once per shift. This condition applies to PNTS-LP167, PNTS-SP300-400, PNTS-SP300-500, PNTS-SP300-600, and PNTS-V146 (PNTS-AERO booths).
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.751(c)(1))

5. If a conventional waterwash system is used to meet the requirements of 40 CFR 63.745(g)(2), the water flow rate through the system shall be continuously monitored while primer or topcoat operations are occurring. The water flow rate shall be read and recorded once per shift. If a pumpless waterwash system is used, the parameter(s) recommended by the booth manufacturer that indicate booth performance shall be measured and recorded once per shift. This condition applies to PNTS-LP167, PNTS-SP300-400, PNTS-SP300-500, PNTS-SP300-600, and PNTS-V146 (PNTS-AERO booths).
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.751(c)(2))

6. If a dry particulate filter or a conventional waterwash system are used while depainting operations are occurring, the pressure drop across the particulate filters or the water flow rate through the conventional waterwash system shall be continuously monitored. The pressure drop or the water flow rate shall be read and recorded once per shift. If a pumpless waterwash system is used while depainting operations are occurring, the parameter(s) recommended by the booth manufacturer that indicate booth performance shall be measured and recorded once per shift. This condition applies to PNTS-LP167, PNTS-SP300-400, PNTS-SP300-500, PNTS-SP300-600, and PNTS-V146 (PNTS-AERO booths) that generate inorganic HAP emissions as referenced in 40 CFR 63.746 (b.4).
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.751(d))

7. For each compliance procedure used (40 CFR 63.785(c)(1), (2), (3), and (4)), the permittee shall maintain records to demonstrate compliance with the chosen procedures. This condition applies to PNTS-SHIP.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.785(c))

C. Recordkeeping and Reporting

1. The permittee shall maintain records of emission data and operating parameters as necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Tidewater Regional Office. These records shall include, but are not limited to:

   a. Monthly and annual throughput (in gallons) for PNTS-CEP209, PNTS-SP300-500, PNTS-SP300-400, and PNTS-V146, each. Annual throughput shall be calculated monthly as the sum of each consecutive 12-month period.

   b. VOC certifications.

   c. Records as applicable to ensure compliance with the requirements of 40 CFR 63 Subpart II for PNTS-CEP209, and 40 CFR 63 Subpart GG for PNTS-SP300-500, PNTS-SP300-400, and PNTS-V146.

   d. Monthly and annual throughput (in gallons) of low-usage-exempt coatings for PNTS-CEP209. Annual throughput shall be calculated monthly as the sum of each consecutive 12-month period.

   e. Monthly documentation of each coating used, the appropriate coating category, and the applicable VOHAP limit for PNTS-CEP209.

   f. Certification of the as-applied VOC content or formulation data for each coating used each month for PNTS-CEP209.

   g. A determination of whether the containers holding VOHAP materials meet the standards as described in 63.783(b)(2) for PNTS-CEP209.

   h. The results of any Method 24 or approved VOHAP measurement test.

   i. Material Safety Data Sheets (MSDS), VOC Data Sheets, and/or other vendor information showing VOC content, toxic compound or HAP content, water content, and solids content, for each coating, thinner, or cleaning solution used in PNTS-CEP209, PNTS-SP300-500, PNTS-SP300-400, and PNTS-V146.

   j. Records of control device observations.

   k. Any additional recordkeeping requirements in Table 3 of Subpart II of 40 CFR Part 63 based on the chosen compliance option (63.788(b)(3)) to demonstrate compliance with the VOHAP limits in Table 2 of the Subpart.

   These records shall be available for inspection by the DEQ and shall be current for at least the most recent five years.
   (9 VAC 5-80-110, Condition 17 of NSR/MACT permit issued December 8, 1999, Condition 9 of NSR/MACT permit issued February 5, 2003, and Condition 14 of NSR/MACT permit issued January 5, 2009)

2. The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment and process equipment which affect such emissions:

   a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance for PNTS-CEP209, PNTS-SP300-500, PNTS-SP300-400, and PNTS-V146.

   b. Maintain an inventory of spare parts for PNTS-CEP209, PNTS-SP300-500, PNTS-SP300-400, and PNTS-V146.

   c. Have available written operating procedures for PNTS-CEP209, PNTS-SP300-500, PNTS-SP300-400, and PNTS-V146 equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.

d. Train operators in the proper operation of PNTS-CEP209, PNTS-SP300-500, PNTS-SP300-400, and PNTS-V146 and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training, and the nature of the training.

Records of maintenance and training shall be maintained on site for a period of five years and shall be made available to DEQ personnel upon request.
(9 VAC 5-80-110, Condition 24 of the NSR/MACT permit issued December 8, 1999, Condition 17 of NSR/MACT permit issued February 5, 2003, and Condition 22 of NSR/MACT permit issued July 12, 2005)

3. Each owner or operator shall comply with the applicable recordkeeping and reporting requirements in 40 CFR 63.10(a), (b), (d), and (f). This condition applies to PNTS-SHIP.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.788(a))

4. Each owner or operator of a major source shipbuilding or ship repair facility having surface coating operations with less than 264 gallons annual marine coating usage shall record the total volume of coating applied at the source to ships. Such records shall be compiled monthly and maintained for a minimum of 5 years. This condition applies to PNTS-SHIP.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.788(b)(1))

5. Each owner or operator of an affected source shall compile records on a monthly basis and maintain those records for a minimum of 5 years. At a minimum, these records shall include:

   a. All documentation supporting initial notification;

   b. A copy of the affected source's approved implementation plan;

   c. The volume of each low-usage-exempt coating applied;

   d. Identification of the coatings used, their appropriate coating categories, and the applicable VOHAP limit;

   e. Certification of the as-supplied VOC content of each coating;

   f. A determination of whether containers meet the standards as described in 40 CFR 63.783(b)(2); and,

   g. The results of any Method 24 of Appendix A to 40 CFR Part 60 or approved VOHAP measurement test conducted on individual containers of coating, as applied.

   h. Additional information, as determined by the compliance procedure(s) described in 40 CFR 63.785(c) that the affected source followed.

   This condition applies to PNTS-SHIP.
   (9 VAC 5-60-100, 9 VAC 5-80-110, 40 CFR 63.788(b)(2), and 40 CFR 63.788(b)(3))

6. Before the 60th day following completion of each 6-month period after the compliance date specified in 40 CFR 63.784, each owner or operator shall submit a report to the Administrator for each of the previous 6 months. The report shall include all of the information that must be retained pursuant to paragraphs (b)(2) through (3) of 40 CFR 63.788, except for that information specified in paragraphs (b)(2)(i) through (ii), (b)(2)(v), (b)(3)(i)(A), (b)(3)(ii)(A), and (b)(3)(iii)(A). If a violation is detected, the source shall also report the information specified in paragraph (b)(4) of 40 CFR 63.784 for the reporting period during which the violation(s) occurred. To the extent possible, the report shall be organized according to the compliance procedure(s) followed each month by the source. This condition applies to PNTS-SHIP.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.788(c))

7. Each owner or operator of a new or existing cleaning operation subject to 40 CFR 63 Subpart GG shall record the information specified in 40 CFR 63.752(b)(1) through (b)(5), as appropriate. This condition applies to PNTS-AERO.
(9 VAC 5-60-100, 9 VAC 5-80-110 and 40 CFR 63.752(b))

8. Each owner or operator required to comply with the organic HAP and VOC content limits specified in 40 CFR 63.745(c) shall record the information specified in 40 CFR 63.752(c)(1) through (c)(6), as appropriate. This condition applies to PNTS-AERO.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.752(c))

9. Each owner or operator complying with 40 CFR 63.745(g) for the control of inorganic HAP emissions from primer and topcoat application operations through the use of a dry particulate filter system or a HEPA filter system shall record the pressure drop across the operating system once each shift during which coating operations occur. This condition applies to PNTS-LP167, PNTS-SP300-400, PNTS-SP300-500, PNTS-SP300-600, and PNTS-V146 (PNTS-AERO booths).
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.752(d)(1))

10. Each owner or operator complying with 40 CFR 63.745(g) through the use of a conventional waterwash system shall record the water flow rate through the operating system once each shift during which coating operations occur. Each owner or operator complying with 40 CFR 63.745(g) through the use of a pumpless waterwash system shall record the parameter(s) recommended by the booth manufacturer that indicate the performance of the booth once each shift during which coating operations occur. The log shall include the acceptable limit(s) of pressure drop, water flow rate, or for the pumpless waterwash booth, the booth manufacturer recommended parameter(s) that indicate the booth performance, as applicable, as specified by the filter or booth manufacturer or in locally prepared operating procedures. This condition applies to PNTS-LP167, PNTS-SP300-400, PNTS-SP300-500, PNTS-SP300-600, and PNTS-V146 (PNTS-AERO booths).
(9 VAC 5-60-100, 9 VAC 5-80-110, 40 CFR 63.752(d)(2), and 40 CFR 63.752(d)(3))

11. Each owner or operator subject to the depainting standards specified in 40 CFR 63.746 shall record the information specified in 40 CFR 63.752(e)(1) through (e)(7), as appropriate. This condition applies to PNTS-AERO.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.752(e))

12. Except as provided in paragraphs (a)(2) and (a)(3) of 40 CFR 63.753, each owner or operator subject to 40 CFR part 63, subpart GG shall fulfill the requirements contained in 40 CFR 63.9(a) through (e) and (h) through (j), Notification requirements, and 40 CFR 63.10(a), (b), (d), and (f), Recordkeeping and reporting requirements, of the General Provisions, 40 CFR part 63, subpart A. This condition applies to PNTS-AERO.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.753(a)(1))

13. Each owner or operator subject to 40 CFR part 63 subpart GG comply with the reporting requirements of 40 CFR 63.753 (b) through (e), as applicable.
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.753 (b) through (e))

VI. Abrasive Blasting and Fiberglass Operations

The abrasive blasting units associated with this section of the permit is ABRA-SP356 and ABRA-V146. The fiberglass sanding and sawing operation associated with this section of the permit is identified as MISC-CEP209-1 and MISC-CEP209-2.

A. Limitations

1. The yearly throughput of steel shot for Emission Unit ABRA-SP356 shall not exceed 312 tons (total, fresh and recycle), calculated monthly as the sum of each consecutive 12 month period.
(9 VAC 5-80-110 and Specific Condition 4 of the NSR permit issued August 2, 1985)

2. The throughput of abrasive blast material for Emission Unit ABRA-V146 shall not exceed 90,000 pounds per year (total, fresh and recycle), calculated monthly as the sum of each consecutive 12 month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual totals for the preceding 11 months.
(9 VAC 5-80-110 and Condition of the NSR/MACT permit issued January 5, 2009)

3. Emissions from the operation of the abrasive-blasting room (Emission Unit ABRA-SP356) shall not exceed the limitations specified below:

Particulate Matter	0.1 lbs/hr	0.1 tons/yr

(9 VAC 5-80-110 and Specific Condition 5 of the NSR permit issued August 2, 1985)

4. Particulate emissions from the abrasive-blast room (Emission Unit ABRA-SP356) will be controlled by a baghouse, rated at least 99 percent efficient. The baghouse shall be provided with adequate access for inspection.
(9 VAC 5-80-110 and Specific Condition 6 of the NSR permit issued August 2, 1985)

5. The permitted facility shall be designed and constructed so as to allow emissions testing using the methods prescribed upon reasonable notice at any time. Test ports will be provided at the baghouse stack exhaust (Emission Unit ABRA-SP356) to facilitate continuing compliance measurements.
(9 VAC 5-80-110, and Specific Condition 7 and General Condition 4 of the NSR permit issued August 2, 1985)

6. All air pollution control equipment operators will be trained and certified in the proper operation of all such equipment. The permittee will maintain records of the required training and certification. Certification of training shall consist of a statement of time, place and nature of training provided This requirement applies to ABRA-SP356.
(9 VAC 5-80-110 and General Condition 6 of the NSR permit issued August 2, 1985).

7. No owner or other person shall cause or permit to be discharged into the atmosphere from any affected facility any visible emissions which exhibit greater than twenty (20) percent opacity, except for one six-minute period in any one hour of not more than thirty (30) percent opacity. Failure to meet the requirements of this condition because of the presence of water vapor shall not be a violation of this condition. This requirement applies to ABRA-SP356.
(9 VAC 5-50-80 and 9 VAC 5-80-110)

8. Visible emissions from MISC-CEP209-1 and MISC-CEP209-2 fabric filter exhaust shall not exceed five (5) percent opacity as determined by EPA Method 9.
(9 VAC 5-50-260 and Condition 14 of the NSR permit issued December 8, 1999).

9. The opacity standard shall apply at all times except during periods of startup, shutdown, and malfunction and as otherwise provided in an applicable standard.
(9 VAC 5-50-20 A.3 and 9 VAC 5-80-110)

10. At all times, including periods of startup, shutdown and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions.
(9 VAC 5-50-20 E and 9 VAC 5-80-110)

11. Particulate emissions from MISC-CEP209-1 and MISC-CEP209-2 shall be controlled by fabric filters. The fabric filters shall be provided with adequate access for inspection and shall be in operation when the sanding and sawing equipment is operating.
(9 VAC 5-50-260 and Condition 4 of the NSR permit issued December 8, 1999).

12. The combined throughput (in pounds) of fiberglass resin, hardener, and mesh used in the fiberglass sanding and sawing equipment systems (MISC-CEP209-1 and MISC-CEP209-2) shall not exceed 2,105 pounds per year, calculated monthly as the sum of each consecutive 12 month period.
(9 VAC 5-80-110 and Condition 7 of the NSR permit issued December 8, 1999).

B. Monitoring

1. The permittee shall perform a monthly visual emissions observation on each stack exhaust for each abrasive blasting area (Emission Units ABRA-SP356) and fiberglass sanding and sawing operation (Emission Units MISC-CEP209-1 and MISC-CEP209-2) during daylight hours and normal operation. If such visual observations indicate any visible emissions, the permittee shall take corrective action to correct the cause of the opacity. If such corrective actions fail to eliminate visible emissions, the permittee shall conduct a visible emissions evaluation (VEE) using 40 CFR Part 60, Appendix A, Method 9 for six minutes. If the six-minute VEE opacity average exceeds 1/2 the opacity limit, the VEE shall continue for an additional 12 minutes. If any of the six-minute averages during the 18 minutes exceeds the opacity limit, the VEE shall continue for one hour from initiation on the stack to determine compliance with the opacity limit. The permittee shall record the details of the visual emissions observations, VEE, and any corrective actions. The records shall be kept at the facility and made available for inspection by the DEQ for the most recent five (5) year period.
(9 VAC 5-80-110 E)

C. Recordkeeping and Reporting

1. The permittee shall retain records of all emission data and operating parameters required to be monitored by the terms of the NSR permit issued August 2, 1985. These records shall be maintained by the source for a period of at least 5 years. This requirement applies to ABRA-SP356.
(9 VAC 5-80-110 and General Condition 5 of the NSR permit issued August 2, 1985)

2. The permittee will develop, maintain, in writing, and have available to all operators good operating procedures for all air pollution control equipment. A maintenance schedule for all such equipment will be established and made available to the DEQ for review. Records of service and maintenance will be maintained on file by the permittee for a period of five years. This requirement applies to ABRA-SP356.
(9 VAC 5-80-110 and General Condition 7 of the NSR permit issued August 2, 1985)

3. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

   a. The yearly throughput of steel shot for Emission Unit ABRA-SP356, calculated monthly as the sum of each consecutive 12 month period;

   b. The annual throughput of abrasive blast material (in pounds) for ABRA-109. The annual throughput shall be calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual totals for the preceding 11 months;

   c. The yearly throughput of fiberglass resin, hardener, and mesh used in the fiberglass sanding and sawing equipment systems (MISC-CEP209-1 and MISC-CEP209-2), calculated monthly as the sum of each consecutive 12 month period; and,

   d. Records of visual evaluations, visible emissions evaluations and any corrective action taken.

   These records shall be available at the facility for inspection by the DEQ and shall be current for the most recent five (5) years.
   (9 VAC 5-80-110, General Condition 5 of the NSR permit issued August 2, 1985, Condition 17 of the NSR permit issued December 8, 1999, and Condition 14 of the NSR/MACT permit issued January 5, 2009)

VII. Woodworking Operations

The woodworking operations associated with this section of the permit consist of the following, to be referred to as WOOD-GRP1: WOOD-A81, WOOD-LP167, WOOD-NH31, WOOD-NM110, WOOD-P4, WOOD-SP83, WOOD-SP89, WOOD-W131, and WOOD-Y100A. WOOD-PNT1 covers all Wood Furniture Manufacturing Operation NESHAP coating emissions.

A. Limitations

1. Particulate emissions caused by any woodworking operation (WOOD-GRP1) shall not be discharged into the atmosphere without providing, as a minimum, for their collection, adequate duct work and properly designed collectors, or such other devices, as approved by the board.
(9 VAC 5-40-2270 A, 9 VAC 5-50-10 D, and 9 VAC 5-80-110)

2. Particulate emissions from each woodworking operation (WOOD-GRP1) shall not exceed 0.05 grains per standard cubic feet of exhaust gas.
(9 VAC 5-40-2270 B, 9 VAC 5-50-10 D, and 9 VAC 5-80-110)

3. Visible emissions from each woodworking operation (WOOD-GRP1) shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30 percent opacity, as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-50-20 A.2, 9 VAC 5-50-80, and 9 VAC 5-80-110)

4. The opacity standard shall apply at all times except during periods of startup, shutdown, and malfunction and as otherwise provided in an applicable standard.
(9 VAC 5-50-20 A.3 and 9 VAC 5-80-110)

5. The permittee shall comply with the requirements of 40 CFR 63 Subpart JJ (Wood Furniture Manufacturing Operations) and of 40 CFR 63 Subpart A, as identified in Table 1 of 40 CFR 63 Subpart JJ. This condition applies to WOOD-PNT1.
(9 VAC 5-80-110 and 40 CFR 63.800(d))

6. The owner or operator of a source that meets the definition for an incidental wood furniture manufacturer shall maintain purchase or usage records demonstrating that the source meets the definition in 40 CFR 63.801 of "incidental wood furniture manufacturer", but the source shall not be subject to any other provisions of 40 CFR part 63 Subpart JJ. This condition applies to WOOD-PNT1.
(9 VAC 5-60-100, 9 VAC 5-80-110, 40 CFR 63.800(a), and 40 CFR 63.801)

B. Monitoring

1. An annual internal inspection shall be conducted at least once each 12 consecutive calendar months on each cyclone and/or baghouse for each woodworking facility (WOOD-GRP1) by the permittee to ensure structural integrity. For units where there is no access to perform an internal inspection, external inspections are acceptable. Each cyclone and/or baghouse shall be maintained and operated according to the manufacturer's recommendations.
(9 VAC 5-80-110)

2. The permittee shall perform an annual (at least once each 12 consecutive calendar months) visual observation for the exhaust at each woodworking facility (WOOD-GRP1) during normal operations. If such visual observations indicate any opacity, the permittee shall take appropriate action to correct the cause of the opacity. If such corrective action fails to correct the problem, the permittee shall conduct a visible emission evaluation (VEE) using 40 CFR Part 60, Appendix A, Method 9 for six minutes. If the six-minute VEE average exceeds 10%, the VEE shall continue for an additional 12 minutes. If any six-minute average during the 18 minutes exceeds 20%, the VEE shall continue for one hour from initiation to determine compliance with the opacity limit. The permittee shall record the details of the visual observations, Method 9 evaluations, and corrective actions. The records shall be kept at the facility and made available for inspection by the DEQ for the most recent five (5) year period.
(9 VAC 5-80-110 E)

C. Recordkeeping and Reporting

1. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

   a. Annual inspection results of the cyclones and/or baghouses;

   b. Records of visual evaluations, visible emissions evaluations and any corrective action taken;

   c. DEQ-approved, pollutant-specific emission factors and equations used to show compliance with the emission limits contained in Part A of this section of this permit.

   These records shall be available at the facility for inspection by the DEQ and shall be current for the most recent five (5) years.
   (9 VAC 5-80-110)

2. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to purchase or usage records demonstrating that the source meets the definition of "incidental wood furniture manufacturer". These records shall be available at the facility for inspection by the DEQ and shall be current for the most recent five years. This condition applies to WOOD-PNT1.
   (9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.800(a))

VIII. Gasoline Pumps (Service Stations)

The gasoline pumps associated with this section of the permit consist of the following emission units to be referred to as GSTA-GRP1 (gasoline dispensing with stage I vapor recovery): GSTA-CD11, GSTA-CEP66, GSTA-MCE224, GSTA-P64, GSTA-U113, and GSTA-V55.

A. Limitations

1. No owner or other person shall transfer or permit the transfer of gasoline from any tank truck into any stationary source storage tank unless such tank is equipped with a vapor control system that will remove, destroy or prevent the discharge into the atmosphere of at least 90% by weight of volatile organic compound emissions. Achievement of this emission standard shall be by a submerged fill pipe: Compliance with this condition shall be determined by Condition B.1 of this section.
(9 VAC 5-40-5220 E and 9 VAC 5-80-110)

2. At all times, including periods of startup, shutdown and malfunction, the gasoline pumps and any associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with air pollution control practices for minimizing emissions.
(9 VAC 5-50-20 E and 9 VAC 5-80-110)

3. At all times, the disposal of volatile organic compounds shall be accomplished by taking measures, to the extent practicable, consistent with air pollution control practices for minimizing emissions. Volatile organic compounds shall not be intentionally spilled, discarded in sewers which are not connected to a treatment plant, or stored in open containers or handled in any other manner that would result in evaporation beyond that consistent with air pollution control practices for minimizing emissions.
(9 VAC 5-50-20 F and 9 VAC 5-80-110)

B. Monitoring and Recordkeeping

1. At least annually (once every 12 consecutive months), the permittee shall observe a gasoline delivery to each station in GSTA-GRP1 for the Stage I vapor recovery system usage to ensure the Stage I connector on the tank is operating properly. The observations shall be recorded, kept at the facility, and made available for inspection by the DEQ for the most recent five (5) year period.
(9 VAC 5-80-110 E)

IX. Degreasing Operations

The degreasing operations associated with this section of the permit consist of the various emission units located at the facility, identified as DEGS-GRP1.

A. Limitations

1. Vapor control is required for each cold cleaner (DEGS-GRP1) to remove, destroy, or prevent the discharge into the atmosphere of at least 85% by weight of volatile organic compound emissions. Achievement of the 85% vapor control shall be done by the following:

   a. Covers or enclosed remote reservoirs;

   b. Drainage facilities to collect and return solvent to a closed container or a solvent cleaning machine;

   c. A permanent label, summarizing the operating procedures in 9 VAC 5-40-3290 C (2)(a-c) on/near the cold cleaning unit(s);

   d. If used, the solvent spray should be a solid, fluid stream (not a fine, atomized or shower type spray) and at a pressure which does not cause excessive splashing.

   (9 VAC 5-40-3280 C(1) and C(2), 9 VAC 5-40-3290 (C) and (D), and 9 VAC 5-80-110)

2. The following operating procedures for the cold cleaning units (DEGS-GRP1) shall be followed:

   a. Waste solvent should not be disposed of or transferred to another party, such that greater than 20% of the waste (by weight) can evaporate to the atmosphere. Waste solvent shall be stored in closed containers only.

   b. The cold cleaning unit cover should be closed whenever not handling parts in the cold cleaner.

   c. Cleaned parts should drain for at least 15 seconds or until dripping ceases.

   (9 VAC 5-40-3290 C(2)(a-c) and 9 VAC 5-80-110)

3. Disposal of waste solvent from the cold cleaning units (DEGS-GRP1) shall be done by one of the following:

   a. Reclamation (either by outside services or in-house), or

   b. Incineration.

   (9 VAC 5-40-3290 D and 9 VAC 5-80-110)

4. At all times, the disposal of volatile organic compounds shall be accomplished by taking measures, to the extent practicable, consistent with air pollution control practices for minimizing emissions. Volatile organic compounds shall not be intentionally spilled, discarded in sewers which are not connected to a treatment plant, or stored in open containers or handled in any other manner that would result in evaporation beyond that consistent with air pollution control practices for minimizing emissions.
   (9 VAC 5-50-20 F and 9 VAC 5-80-110)

B. Monitoring

1. Each degreasing unit (DEGS-GRP1) will be inspected once per calendar year to ensure the label with the operating procedures is placed on or near each degreasing unit.
   (9 VAC 5-40-3280 C(1) and C(2), 9 VAC 5-40-3290 (C) and (D), and 9 VAC 5-80-110)

2. Each degreasing unit (DEGS-GRP1) will be inspected once per calendar year to ensure that each has a cover or enclosed remote reservoir, and waste solvent from each unit is to be stored in closed containers.
(9 VAC 5-40-3280 C(1) and C(2), 9 VAC 5-40-3290 (C) and (D), and 9 VAC 5-80-110 E)

C. Recordkeeping

1. The permittee shall maintain records of the following items for DEGS-GRP1:

   a. Annual inspection results and any corrective actions taken;

   b. Methods of waste solvent disposal.

   These records shall be available at the facility for inspection by the DEQ and shall be current for the most recent five (5) years.
   (9 VAC 5-80-110)

X. Off-Site Waste NESHAP and Container NESHAP

A. Limitations

1. For a container having a design capacity greater than 0.1 m3 and less than or equal to 0.46 m3, the owner or operator must control air emissions from the container in accordance with the requirements of 40 CFR 63.688(b)(1)(i): Container Level 1 controls as specified in 40 CFR Part 63 Subpart PP - National Emission Standards for Containers.
(9 VAC 5-80-110 and 40 CFR 63 Subpart DD)

2. The provisions of 40 CFR Part 63 Subpart A, as specified in Table 2 of 40 CFR 63 Subpart DD, apply for containers affected by 40 CFR 63 Subpart DD.
(9 VAC 5-80-110 and 40 CFR 63.680 (f))

3. 40 CFR 63.922 applies to owners and operators subject to 40 CFR Part 63 Subpart PP and required to control air emissions from containers using Container Level 1 controls.
(9 VAC 5-80-110 and 40 CFR 63.922(a))

4. A container using Container Level 1 controls is one listed in 40 CFR 63.922 (b)(1), (b)(2), or (b)(3).
(9 VAC 5-80-110 and 40 CFR 63.922(b))

5. A container used to meet the requirements of either 40 CFR 63.922(b)(2) or (b)(3) shall be equipped with covers and closure devices, as applicable to the container, that are composed of suitable materials to minimize exposure of the regulated-material to the atmosphere and to maintain the equipment integrity for as long as it is in service.
(9 VAC 5-80-110 and 40 CFR 63.922(c))

6. Whenever a regulated-material is in a container using Container Level 1 controls, the owner or operator shall install all covers and closure devices for the container, and secure and maintain each closure device in the closed position except as identified in 40 CFR 63.922 (d)(1), (d)(2), (d)(3), (d)(4), or (d)(5).
(9 VAC 5-80-110 and 40 CFR 63.922(d))

7. The owner or operator shall inspect containers using Container Level 1 controls in accordance with the procedures specified in 40 CFR 63.926(a).
(9 VAC 5-80-110 and 40 CFR 63.922(e))

8. For the purposes of compliance with 40 CFR 63.922(b)(1), containers shall be used that meet the applicable U. S. DOT regulation on packaging hazardous materials for transportation as given in 40 CFR 63.922(f)(1), (f)(2), (f)(3), or (f)(4).
(9 VAC 5-80-110 and 40 CFR 63.922(f))

B. Monitoring

1. Owners and operators of containers using either Container Level 1 or Container Level 2 controls in accordance with the provisions of 40 CFR 63.922 and 40 CFR 63.923, shall inspect the container and its cover and closure device as described in 40 CFR 63.926(a).
(9 VAC 5-80-110 and 40 CFR 63.926(a))

C. Recordkeeping and Reporting

1. The owner or operator subject to 40 CFR Part 63 Subpart DD shall comply with the recordkeeping and reporting requirements as specified in Table 2 of 40 CFR Part 63 Subpart DD.
(9 VAC 5-80-110, 40 CFR 63.696(a), and 40 CFR 63.697(a)(2))

XI. Facility-Wide Conditions

A. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-40-30, 9 VAC 5-50-30, and 9 VAC 5-80-110)

2. If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the appropriate method(s) in accordance with procedures approved by the DEQ.
(9 VAC 5-80-110)

3. At all times, including periods of start-up, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate the affected source, including associated air pollution control equipment, in a manner consistent with good air pollution control practices for minimizing emissions. Records shall be maintained on site for a period of five years and shall be made available to DEQ personnel upon request.
(9 VAC 5-80-110 and 9 VAC 5-50-20 E)

XII. Insignificant Emission Units

The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720:

Grouped Units

UNIT (ID)	Emission Unit Description	Exemption Code	Pollutant(s) emitted	Rated Capacity
ABRA-GRP1	Vented abrasive blast gloveboxes	2	Compounds of Antimony, Cadmium, Chromium, Cobalt, Cyanide, Lead, Manganese, & Nickel; PM/PM10, Phosphorus	N/A
BOIL-GRP-#2	#2 oil boilers	2, 3	CO, Formaldehyde, Lead, NOx, PM, PM10, POM, Sox, VOC	< 1 MMBTU/hr ea
BOIL-GRP-NG	NG boilers	2, 3	CO, NOx, PM, PM10, Sox, VOC	< 10 MMBTU/hr ea
CLNO-GRP-A	Paint Gun Washers – Aerospace	2	PM, PM10, VOC	N/A
CLNO-GRP-O	Paint Gun Washers – Other	2	PM, PM10, VOC	N/A
DEGS-GRP1	Solvent Degreasers and Parts Washers	2	1,4-Dichlorobenzene, Ethylbenzene, Petroleum Naptha, Monoethanolamine, Naphthalene, Toluene VOC, Xylenes	N/A
FURN-GRP-#2	#2 oil boilers	2, 3	CO, Formaldehyde, Lead, NOx, PM, PM10, POM, Sox, VOC	< 1 MMBTU/hr ea
FURN-GRP-NG	NG boilers	2, 3	CO, NOx, PM, PM10, Sox, VOC	< 10 MMBTU/hr ea
GSTA-GRP3	Gasoline dispensing (no VR)	2	2,2,4- trimethylpentane; 2-Methoxy-2-methyl propane; Benzene, Cumene, Ethylbenzene, Hexane, Toluene, VOC, Xylenes	N/A
GSTA-GRP4	Kerosene and Jet Kerosene (JP-5) dispensing	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
ICGF-GRP1	#2 Internal Combustion Engines- not NSPS or MACT applicable	2, 3	1,3-Butadiene; Acetaldehyde; Acrolein; Benzene; Carbon Monoxide; Formaldehyde; Naphthalene; NOx; PM/PM10; POM; Sox; Toluene; VOC; Xylenes	< 497 kW ea
OCOM-GRP-#2	#2 oil boilers	2, 3	CO, Formaldehyde, Lead, NOx, PM, PM10, POM, Sox, VOC	< 1 MMBTU/hr ea
OCOM-GRP-LP	Liquified Petroleum Gas (LPG) Space Heaters	2, 3	CO, NOx, PM, PM10, Sox, VOC	< 1 MMBTU/hr ea
OCOM-GRP-NG	NG boilers	2, 3	CO, NOx, PM, PM10, Sox, VOC	< 10 MMBTU/hr ea
PETO-GRP1	Petroleum fueling, defueling, and/or distribution: JP-5	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
PETO-GRP2	Petroleum fueling, defueling, and/or distribution: F-76 (diesel)	2	Naphthalene, VOCs	N/A
PETO-GRP3	Petroleum fueling, defueling, and/or distribution: lube oil	2	VOCs, VOHAPS	N/A
TNKA-GRP1	Diesel/fuel oil #2	2	VOCs, VOHAPS	N/A

UNIT (ID)	Emission Unit Description	Exemption Code	Pollutant(s) emitted	Rated Capacity
TNKA-GRP2	Gasoline storage (no stage I vapor recovery)	2	2,2,4- trimethylpentane; 2-Methoxy-2-methyl propane; Benzene, Cumene, Ethylbenzene, Hexane, Toluene, VOC, Xylenes	N/A
TNKA-GRP3	Kerosene and jet kerosene (JP-5)	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
TNKA-GRP4	Lube oil	2		N/A
TNKA-GRP5	Used oil	2	VOCs, VOHAPS	N/A
TNKA-GRP6	Various fuel oils for steam plants	2		N/A
TNKU-GRP1	Diesel/fuel oil #2	2	VOCs, VOHAPS	N/A
TNKU-GRP2	Gasoline storage (stage I vapor recovery)	2	2,2,4- trimethylpentane; 2-Methoxy-2-methyl propane; Benzene, Cumene, Ethylbenzene, Hexane, Toluene, VOC, Xylenes	N/A
TNKU-GRP2b	Gasoline storage (no vapor recovery)	2	2,2,4- trimethylpentane; 2-Methoxy-2-methyl propane; Benzene, Cumene, Ethylbenzene, Hexane, Toluene, VOC, Xylenes	N/A
TNKU-GRP3	Kerosene and jet kerosene (JP-5)	2	Ethylbenzene, Naphthalene, Toluene, VOC, Xylenes	N/A
TNKU-GRP4	Lube oil	2	VOCs, VOHAPS	N/A
TNKU-GRP5	Used oil	2	VOCs, VOHAPS	N/A
TNKU-GRP6	Various fuel oils for steam plants	2		N/A
WOOD-PNT1	Wood NESHAP sources	2	VOCs, VOHAPS	N/A
WSTL-GRP1	Oil/Water Separation Units	2	Benzene, Hexane, Naphthalene, VOC	N/A
WSTS-GRP1	Paper Shredders w/ Cyclone	2	PM/PM-10	N/A
WSTS-GRP2	Paper Shredders w/ Cyclone/Baghouse	2	PM/PM-10	N/A

Individual Units

UNIT (ID)	**Emission Unit Description**	**Exemption Code**	**Pollutant(s) emitted**	**Rated Capacity**
ABRA-Q72	Outdoor Sandblasting (Barge Repair)	2	Compounds of Antimony, Cadmium, Chromium, Cobalt, Cyanide, Lead, Manganese, & Nickel; PM/PM10, Phosphorus	N/A
ABRA-V146	Helicopter blast booth	2	Compounds of Chromium, Cobalt, Nickel; PM/PM10	N/A
CHMC-CEP200-ACID	Acid Dip Tank	2	PM, PM10	N/A
CHMC-CEP200-NUTR	Neutralization Tank	2	PM, PM10	N/A
CHMC-SP234	Parachute Hand Wipe Cleaning	2	Methyl ethyl ketone, VOC	N/A

UNIT (ID)	Emission Unit Description	Exemption Code	Pollutant(s) emitted	Rated Capacity
ENGT-V88	Small Boat Outboard Motor Testing	2	Acetaldehyde, Benzene, CO, Chlorine, Ethylbenzene, Formaldehyde, Hexane, NOx, PM/PM10, Sox, Toluene, VOC, Xylenes	N/A
FIRI-CEP161-1	Indoor Firing Range	2	Lead, PM, PM10	N/A
FIRI-CEP161-2	Indoor Firing Range	2	Lead, PM, PM10	N/A
FIRI-MCA604	Indoor Firing Range	2	Lead, PM, PM10	N/A
MISC-CD3	Dental Clinic	2	PM, PM10	N/A
MISC-CEP200-001	Flex Hose Cutting	2	PM, PM10	N/A
MISC-CEP200-004	Metal Spray Booth	2	PM, PM10	N/A
MISC-CEP200-007	Lagging/Fiberglass Cutting	2	PM, PM10	N/A
MISC-CEP200-011	Ultrasonic Dryer	2	VOC	N/A
MISC-CEP200-015	Brick Oven Cutting Saw	2	PM, PM10	N/A
MISC-CEP200-016	Pipe Insulation Cutting	2	PM, PM10	N/A
MISC-V58	Lapmaster Metal Sander	2	PM, PM10	N/A
PNTO-A81	Sign Shop	2		N/A
PNTO-CEP200-67x	Cable moulding aka portsmouth plug making	2	VOCs, VOHAPS	N/A
PNTO-CEP209	Plastisol Coating Dip Tank System	2	Cadmium compounds, PM, PM10, Vinyl chloride, VOC	N/A
PNTO-LP20-EQP	Forklift repair, aerosol only	2	PM, PM10, VOCs, VOHAPS	N/A
PNTO-LP20-VEH	Vehicle Priming, aerosol only	2	PM, PM10, VOCs, VOHAPS	N/A
PNTS-V88-1 PNTS-V88-2	Paint hoods, aerosol only, boat engine parts		PM, PM10, VOCs, VOHAPS	N/A
PNTS-W7	Paint hood, aerosol only, boat engine parts	2	PM, PM10, VOCs, VOHAPS	N/A
PRNT-NH31	Printing Shop	2	PM, PM10, VOC, Xylenes	N/A
STRP-CEP209	Plastisol stripping tank	2	VOC	N/A

Exemption Codes: 2: by virtue of emission levels 3: by virtue of size or production level (rated capacity)

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

XIII. Permit Shield & Inapplicable Requirements

Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of Applicability
NONE IDENTIFIED IN APPLICATION		

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by the administrator pursuant to §114 of the federal Clean Air Act, (ii) the Board pursuant to §10.1-1314 or §10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to §10.1-1307.3 of the Virginia Air Pollution Control Law.
(9 VAC 5-80-140)

XIV. General Conditions

A. Federal Enforceability

All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.

(9 VAC 5-80-110 N)

B. Permit Expiration

This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless the owner submits a timely and complete application for renewal to the Department consistent with the requirements of 9 VAC 5-80-80, the right of the facility to operate shall be terminated upon permit expiration.

1. The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.

2. If an applicant submits a timely and complete application for an initial permit or renewal under this section, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9 VAC 5 Chapter 80, until the Board takes final action on the application under 9 VAC 5-80-150.

3. No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9 VAC 5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9 VAC 5 Chapter 80.

4. If an applicant submits a timely and complete application under section 9 VAC 5-80-80 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9 VAC 5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.

5. The protection under subsections F 1 and F 5 (ii) of section 9 VAC 5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9 VAC 5-80-80 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.

   (9 VAC 5-80-80 B, C, and F, 9 VAC 5-80-110 D and 9 VAC 5-80-170 B)

C. Recordkeeping and Reporting

1. All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:

   a. The date, place as defined in the permit, and time of sampling or measurements.

   b. The date(s) analyses were performed.

   c. The company or entity that performed the analyses.

   d. The analytical techniques or methods used.

   e. The results of such analyses.

   f. The operating conditions existing at the time of sampling or measurement.

   (9 VAC 5-80-110 F)

2. Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. (9 VAC 5-80-110 F)

3. The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than **March 1** and **September 1** of each calendar year. This report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

   a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31.

   b. All deviations from permit requirements. For purpose of this permit, deviations include, but are not limited to:

      (i) Exceedance of emissions limitations or operational restrictions;

      (ii) Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or Compliance Assurance Monitoring (CAM) which indicates an exceedance of emission limitations or operational restrictions; or,

      (iii) Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.

   c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that "no deviations from permit requirements occurred during this semi-annual reporting period."

   (9 VAC 5-80-110 F)

D. Annual Compliance Certification

Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ no later than March 1 each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a)(3) and §504(b) of the federal Clean Air Act. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

1. The time period included in the certification. The time period to be addressed is January 1 to December 31.

2. The identification of each term or condition of the permit that is the basis of the certification.

3. The compliance status.

4. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance.

5. Consistent with subsection 9 VAC 5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period.

6. Such other facts as the permit may require to determine the compliance status of the source.

7. One copy of the annual compliance certification shall be sent to EPA at the following address:
   Clean Air Act Title V Compliance Certification (3AP00)
   U.S. Environmental Protection Agency, Region III
   1650 Arch Street
   Philadelphia, PA 19103-2029
   (9 VAC 5-80-110 K.5)

E. Permit Deviation Reporting

The permittee shall notify the Director, Tidewater Regional Office within four daytime business hours after discovery of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the discovery, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to General Condition XIV.C.3 of this permit.

(9 VAC 5-80-110 F.2 and 9 VAC 5-80-250)

F. Failure/Malfunction Reporting

In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall, as soon as practicable but no later than four daytime business hours after the malfunction is discovered, notify the Director, Tidewater Regional Office by facsimile transmission, telephone or telegraph of such failure or malfunction and shall within 14 days of discovery provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Director, Tidewater Regional Office.

(9 VAC 5-20-180 C)

G. Severability

The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.

(9 VAC 5-80-110 G.1)

H. Duty to Comply

The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is ground for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.

(9 VAC 5-80-110 G.2)

I. Need to Halt or Reduce Activity not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

(9 VAC 5-80-110 G.3)

J. Permit Modification

A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State Regulations 9 VAC 5-80-50, 9 VAC 5-80-1100, 9 VAC 5-80-1605, or 9 VAC 5-80-2000 and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.

(9 VAC 5-80-190 and 9 VAC 5-80-260)

K. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege.

(9 VAC 5-80-110 G.5)

L. Duty to Submit Information

1. The permittee shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality.
(9 VAC 5-80-110 G.6)

2. Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G.
(9 VAC 5-80-110 K.1)

M. Duty to Pay Permit Fees

The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-300 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-350. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by April 15 of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department.

(9 VAC 5-80-110 H and 9 VAC 5-80-340 C)

N. Fugitive Dust Emission Standards

During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:

1. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;

2. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;

3. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or similar operations;

4. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,

5. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9 VAC 5-40-90 and 9 VAC 5-50-90)

O. Startup, Shutdown, and Malfunction

At all times, including periods of startup, shutdown, and soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

(9 VAC 5-50-20 E and 9 VAC 5-40-20 E)

P. Alternative Operating Scenarios

Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9 VAC 5 Chapter 80, Article 1.

(9 VAC 5-80-110 J)

Q. Inspection and Entry Requirements

The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

1. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.

2. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.

3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.

4. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9 VAC 5-80-110 K.2)

R. Reopening For Cause

The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-80 F.

1. The permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

2. The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

3. The permit shall not be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D.

(9 VAC 5-80-110 L)

S. Permit Availability

Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.

(9 VAC 5-80-150 E)

T. Transfer of Permits

1. No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another.
(9 VAC 5-80-160)

2. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

3. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the Board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

U. Malfunction as an Affirmative Defense

1. A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the requirements of paragraph 2 of this condition are met.

2. The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:

   a. A malfunction occurred and the permittee can identify the cause or causes of the malfunction.

   b. The permitted facility was at the time being properly operated.

   c. During the period of the malfunction the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit.

d. The permittee notified the Board of the malfunction within two working days following the time when the emission limitations were exceeded due to the malfunction. This notification shall include a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notification may be delivered either orally or in writing. The notification may be delivered by electronic mail, facsimile transmission, telephone, or any other method that allows the permittee to comply with the deadline. This notification fulfills the requirements of 9 VAC 5-80-110 F.2.b to report promptly deviations from permit requirements. This notification does not release the permittee from the malfunction reporting requirement under 9 VAC 5-20-180 C.

3. In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof.

4. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any applicable requirement.

(9 VAC 5-80-250)

V. Permit Revocation or Termination for Cause

A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe any permit for any grounds for revocation or termination or for any other violations of these regulations.

(9 VAC 5-80-190 C and 9 VAC 5-80-260)

W. Duty to Supplement or Correct Application

Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.

(9 VAC 5-80-80 E)

X. Stratospheric Ozone Protection

If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.

(40 CFR Part 82, Subparts A-F)

Y. Asbestos Requirements

The permittee shall comply with the requirements of National Emissions Standards for Hazardous Air Pollutants (40 CFR 61) Subpart M, National Emission Standards for Asbestos as it applies to the following: Standards for Demolition and Renovation (40 CFR 61.145), Standards for Insulating Materials (40 CFR 61.148), and Standards for Waste Disposal (40 CFR 61.150).

(9 VAC 5-60-70 and 9 VAC 5-80-110 A.1)

Z. Accidental Release Prevention

If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.

(40 CFR Part 68)

AA. Changes to Permits for Emissions Trading

No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.

(9 VAC 5-80-110 I)

BB. Emissions Trading

Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:

1. All terms and conditions required under 9 VAC 5-80-110, except subsection N, shall be included to determine compliance.
2. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.
3. The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-50 through 9 VAC 5-80-300.

(9 VAC 5-80-110 I)

XV. State-Only Enforceable Requirements

The following terms and conditions are not required under the federal Clean Air Act or under any of its applicable federal requirements, and are not subject to the requirements of 9 VAC 5-80-290 concerning review of proposed permits by EPA and draft permits by affected states.

9 VAC 5-40-140 Existing Source Standard for Odor

9 VAC 5-50-220 Existing Source Standard for Toxic Pollutants

9 VAC 5-50-140 New and Modified Source Standard for Odor

9 VAC 5-50-320 New and Modified Source Standard for Toxic Pollutants

(9 VAC 5-80-110 N and 9 VAC 5-80-300)